

2024

Product Portfolio  
Professional range  
Industrial range  
Hardware range





2024

**Product Portfolio**

Professional range

Industrial range

Hardware range

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## Our Offer

Polymaker offers four kinds of 3D printing products including professional 3D printing filaments, industrial 3D printing filaments, 3D printing pellets, and related hardware to serve our customers.

### Professional

The Professional range of products provide filaments with superior properties that deliver a better overall printing experience, ensuring the efficiency of 3D printers and empowering users to create strong and functional 3D printed products.

### Industrial

The Industrial range of products provides engineering grade materials, these materials not only have high performance but also have high printability to unlock the use of 3D printing in multiple industries for new applications. It offers alternatives for customers in using 3D printing technology in industrial applications.

### Hardware

Polymaker Hardware family offers 3D printing accessories to optimize the user experience with their filaments.

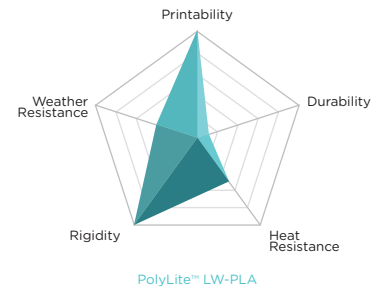
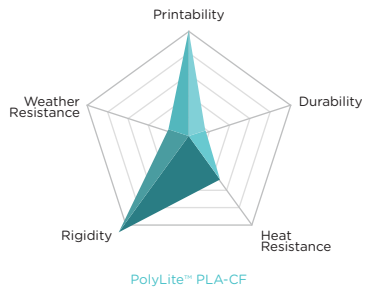
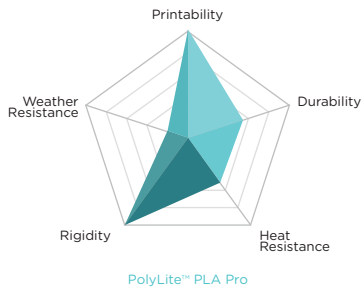
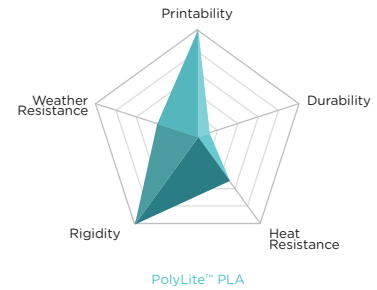
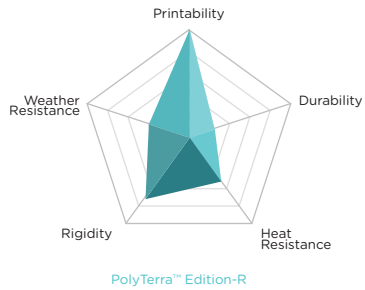
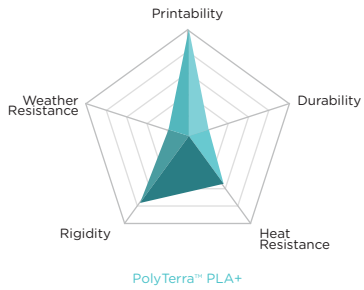
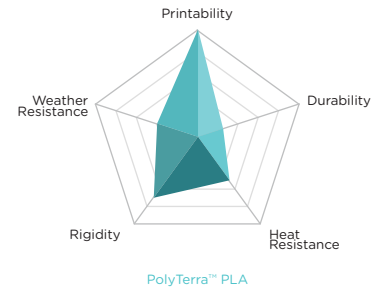
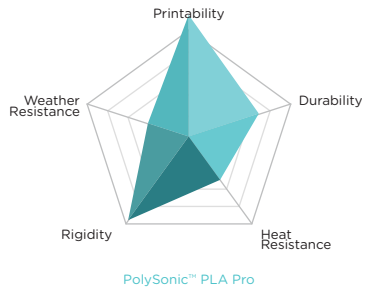
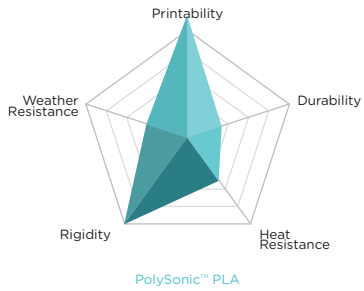


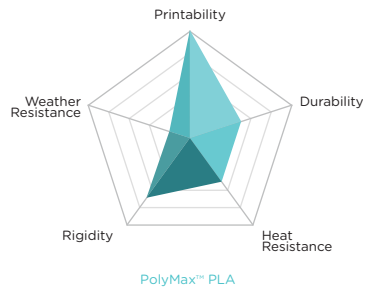
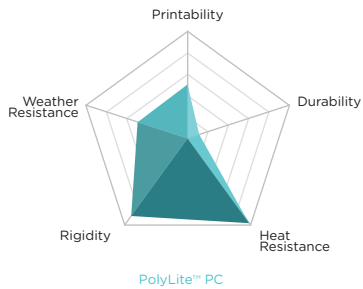
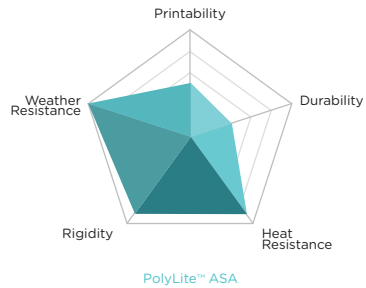
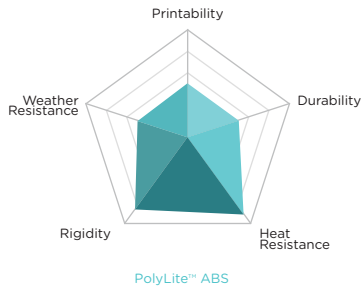
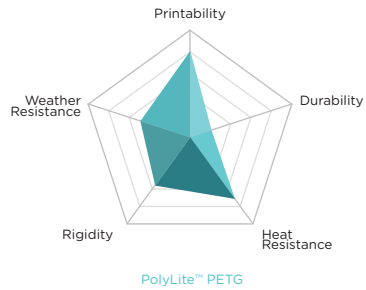
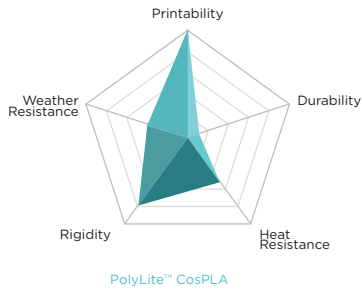
## About Polymaker

Polymaker is a developer and manufacturer of 3D printing materials committed to innovation, quality and sustainability. Its award-winning product portfolio has enabled numerous of individuals and companies to **“better create and innovate”**.

Headquartered in Changshu, China, Polymaker has multiple office locations in Shanghai, Utrecht and Houston ready to serve customers across the globe.







### Printability

The printability of the material is defined by its ease of use and equipment required.

### Durability

The durability of the material is defined by its resistance to impact: Charpy impact strength ISO 179, GB/T 1043.

### Weather Resistance

The weather resistance of the material is defined by its UV resistance. The data provided is currently an estimation.

### Rigidity

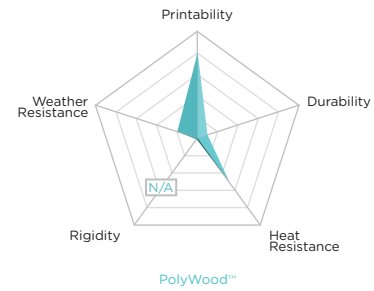
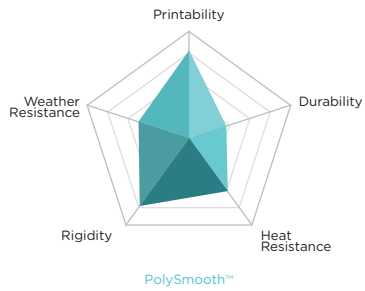
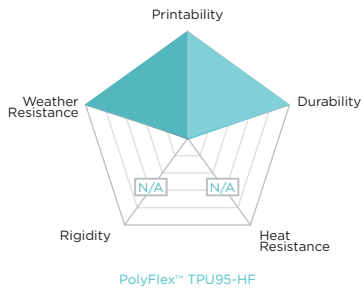
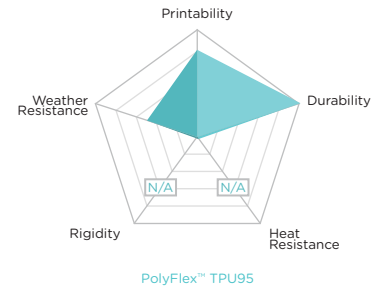
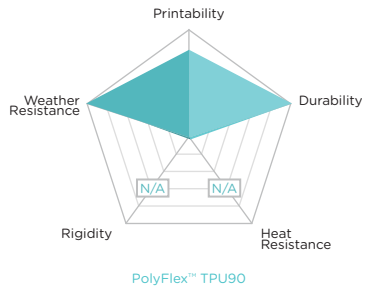
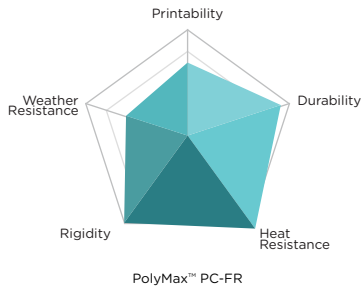
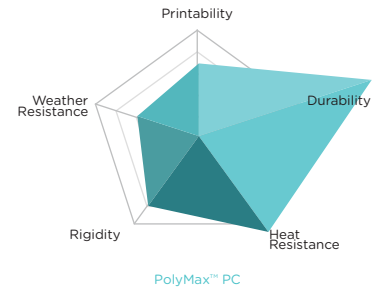
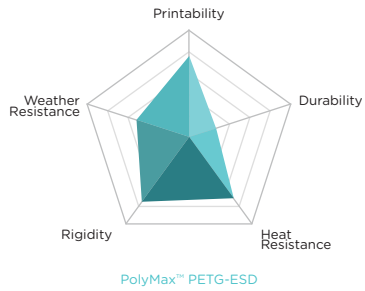
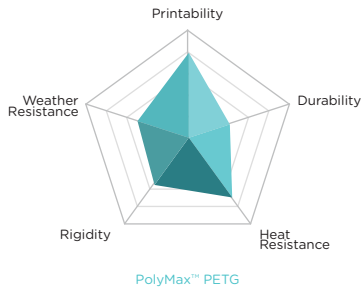
The rigidity of the material is defined by its modulus: Young's modulus ISO 527, GB/T 1040.

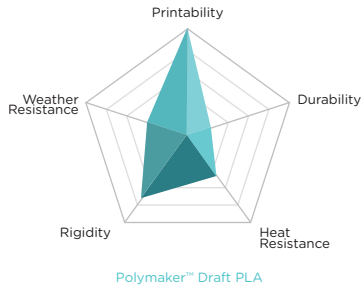
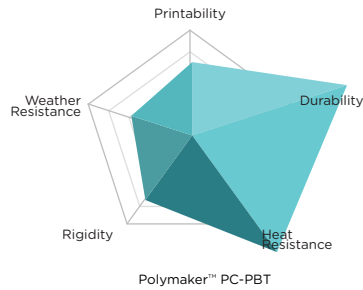
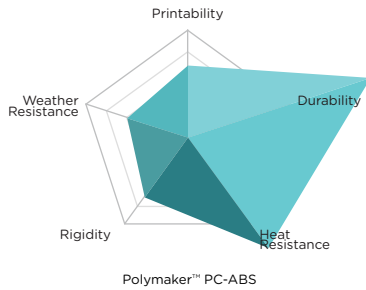
### Heat Resistance

The heat resistance of the material is defined by its VST: Vicat Softening temperature ISO 306 GB/T 1633.

\*PolyMide™ PA6-CF and PolyMide™ PA6-GF heat resistance are defined by their HDT: Heat Deflection Temperature ISO 75 0.45 MPa.







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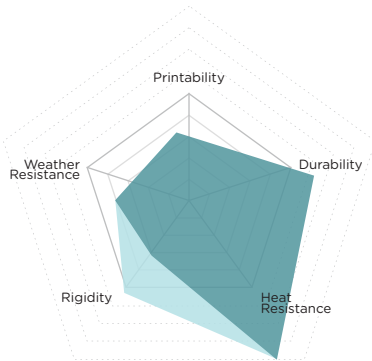
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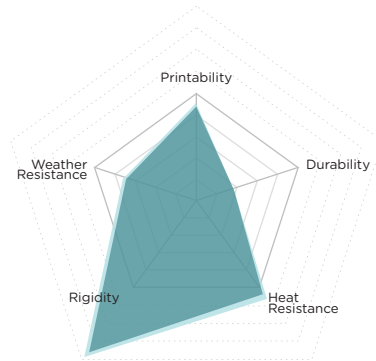


■ Dry state

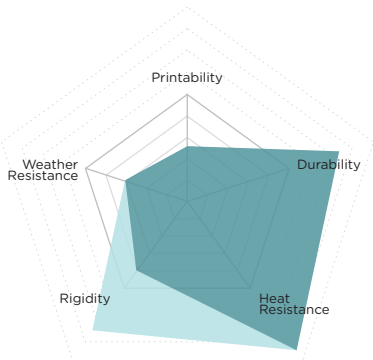
■ Wet state



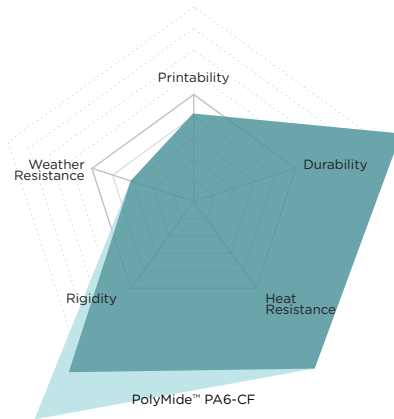
PolyMide™ CoPA



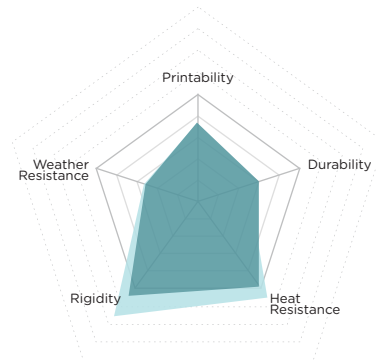
PolyMide™ PA612-CF



PolyMide™ PA6-GF



PolyMide™ PA6-CF



PolyMide™ PA12-CF





### **Printability**

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# Technologies

## JAM-FREE™

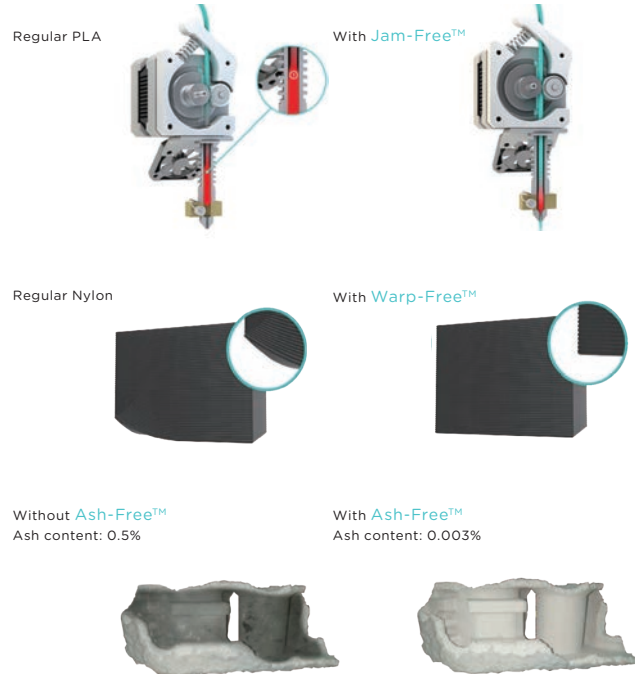
Jam-Free™ technology improves the heat stability of Polymaker's PLA filaments with softening temperatures over 140 °C. As a result, Polymaker's PLA filaments show minimal softening in the “cold end” and can melt rapidly once entering the heating zone, leading to excellent printing quality with zero risk of nozzle jams.

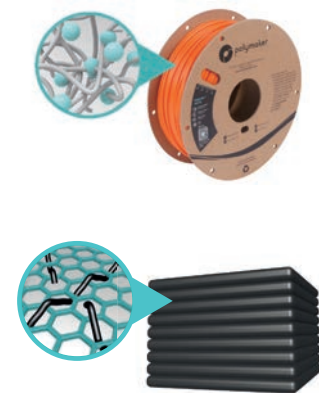
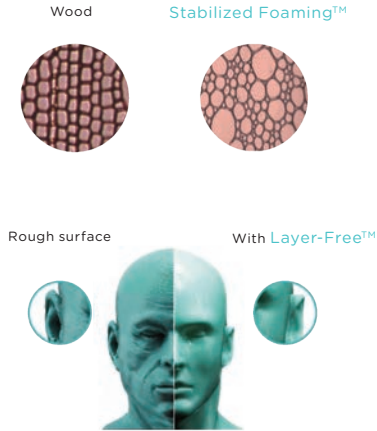
## WARP-FREE™

Warp-Free™ technology enables the production of Nylon-based filaments that can be 3D printed with excellent dimensional stability and near-zero warpage. This is achieved by the fine control of micro-structure and crystallization behavior of Nylon, which enables the material to fully release the internal stress before solidification.

## ASH-FREE™

Ash-Free™ technology allows Polymaker's filament which has been designed for investment casting to burn off cleanly without any residue, enabling defect-free metal parts. 3D printing has been used to produce investment casting patterns as it cuts down both the cost and lead time for small-volume production runs.





### STABILIZED FOAMING™

Stabilized Foaming™ technology is used to produce foamed filaments, whose foam structure can survive the printing process and be inherited by the printed parts. This enables light weight 3D printed parts with unprecedented surface finish.

### LAYER-FREE™

Layer-Free™ technology involves exposing a 3D printed part to an aerosol of micro-sized alcohol droplets, generated by a rapidly vibrating, perforated membrane called the nebulizer. The aerosol will then be adsorbed by the surface of the 3D printed part rendering it smooth and layer-free.

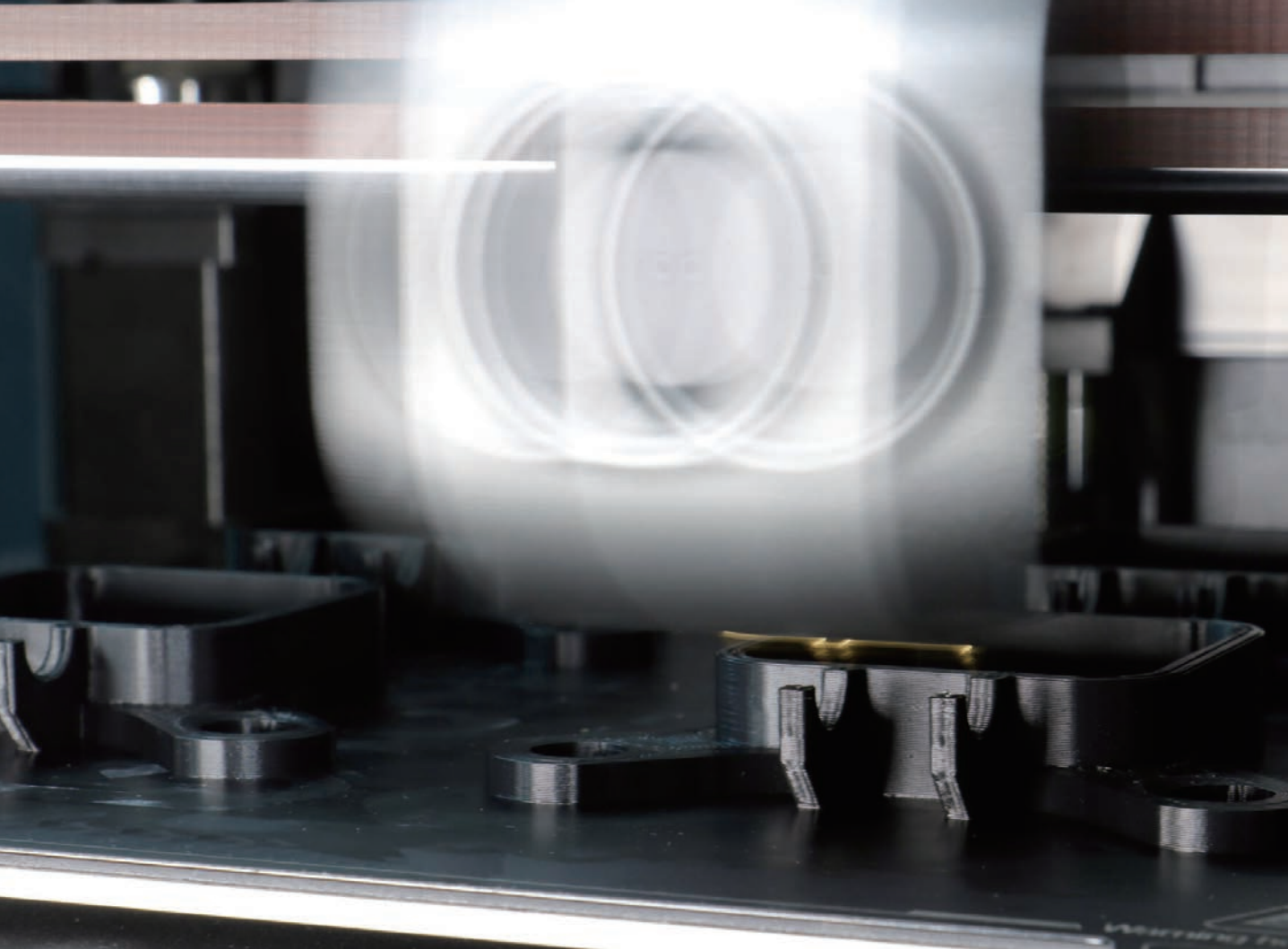
### NANO-REINFORCEMENT™

Nano-reinforcement™ technology is applied to produce filaments with excellent mechanical properties and printing quality. It dramatically improves the toughness of the material by increasing its impact resistance.

### FIBER ADHESION™

Fiber Adhesion™ technology improves the layer adhesion of fiber reinforced materials, by optimizing the surface chemistry of the fibers to achieve better dispersion and bonding to the matrix. This results in better strength along the Z-axis and reduced mechanical anisotropy.







PolySonic™ is the ultimate High-Speed family engineered to maximize your printer's productivity without compromising on quality or mechanical properties. Unleash your printer's full potential and boost efficiency by producing more parts in less time, all while maintaining exceptional print characteristics. Elevate your 3D printing experience to new heights with PolySonic™.



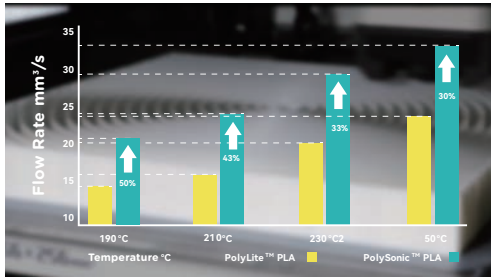


**Polymaker believes that high-speed filaments must satisfy 3 criteria:**

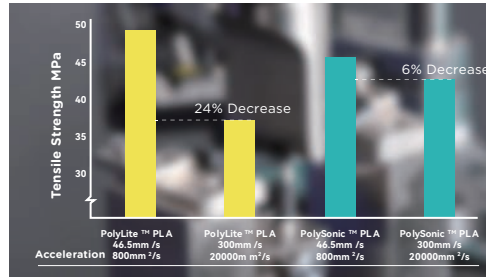
**Extrusion** — The material must exhibit a wide extrusion window and improved flow rates.

**Forming** — This is a measure of how the material prints and forms at high speed. How is the print quality, overhang and small details, are the layers properly bonded together?

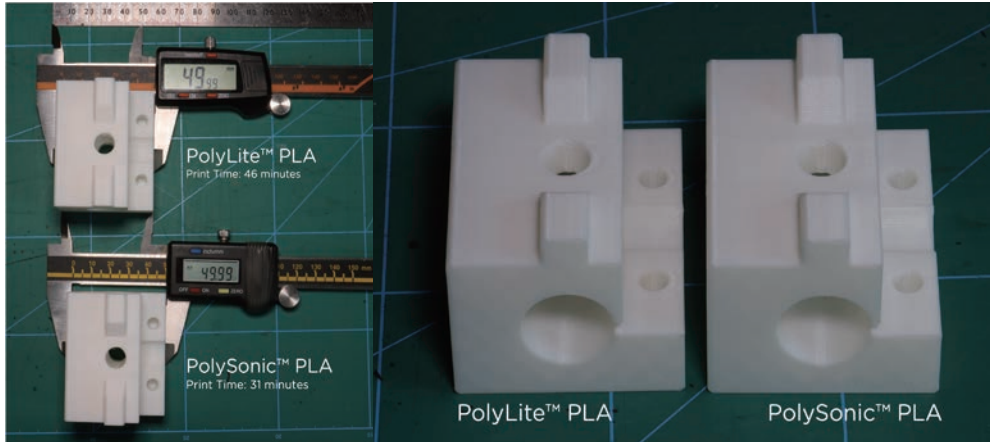
**Mechanical Properties** — PolySonic™ materials should retain 80% of the mechanical properties printed when printed at high speed.



Comparison Chart of Extrusion Performance



Comparison Test Graph of Mechanical



Efficient and time-saving Printing time reduced by over 30%.

\*The reference extrusion testing is performed on a customized extrusion platform equipped E3D volcano hotend and 0.4mm nozzle with Hemera XS extruder. The maximum volumetric flow rate is defined as the volumetric flow rate at which the rate of change of actual extrusion efficiency remains within 1% as the volumetric flow rate increases.

\*The mechanical testing follows the ISO 527 standard testing method. All specimens are 3D printed, with the dimensions of the high-speed printed specimens being 130% larger than those used for printing at classical speeds. This ensures that the printing speed and acceleration can effectively attain approximately 300mm/s and 20000mm/s² separately during specimen printing. The specimens are printed with a 0.4mm nozzle.





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Range: Professional

Material: PolySonic™ PLA



Good printability



High-Speed



Consistent Extrusion





## Description

PolySonic™ PLA is a revolutionary high-speed 3D printing filament, the ultimate game-changer in additive manufacturing. With its lightning-fast extrusion rate, cutting-edge precision, and exceptional layer adhesion you can ramp up the speed of your 3D printer and witness new levels of productivity. Accelerate your workflow without compromising on strength or quality.

## Printing Settings

Printing temp.: Classic: 190-210°C  
High: 210-230°C

Printing speed: Classic: 50-100mm/s  
High: 100-300mm/s

Bed temp.: 25-60°C

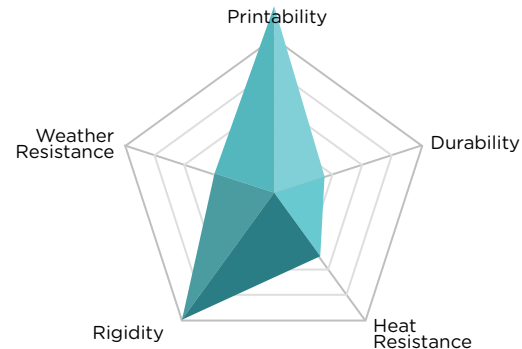
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolySonic™ PLA





**Regular** A collection of commonly used colors.



Black



White



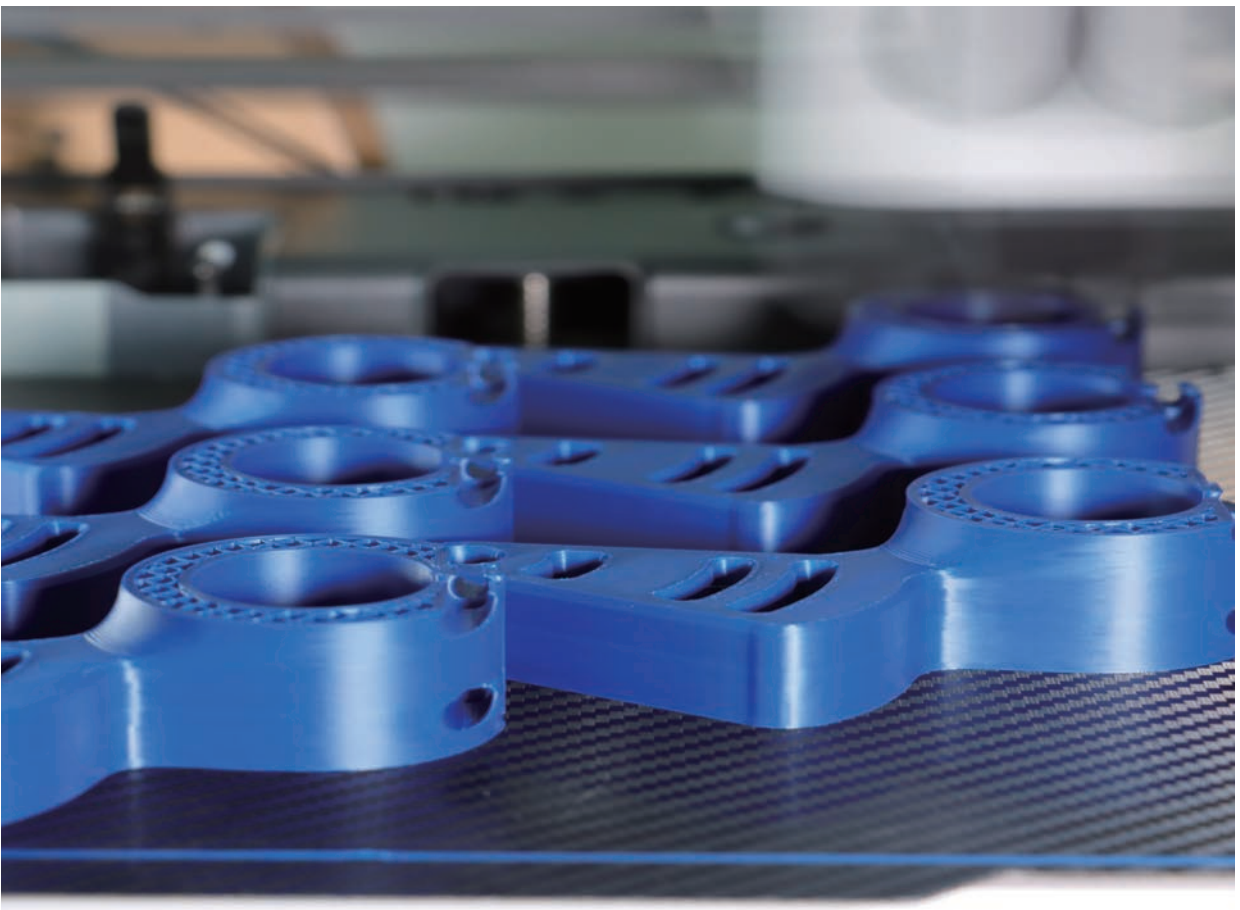
Grey



Red



Blue



**Material:** PolySonic™ PLA

**Range:** Professional

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**PolySonic™ PLA Pro**



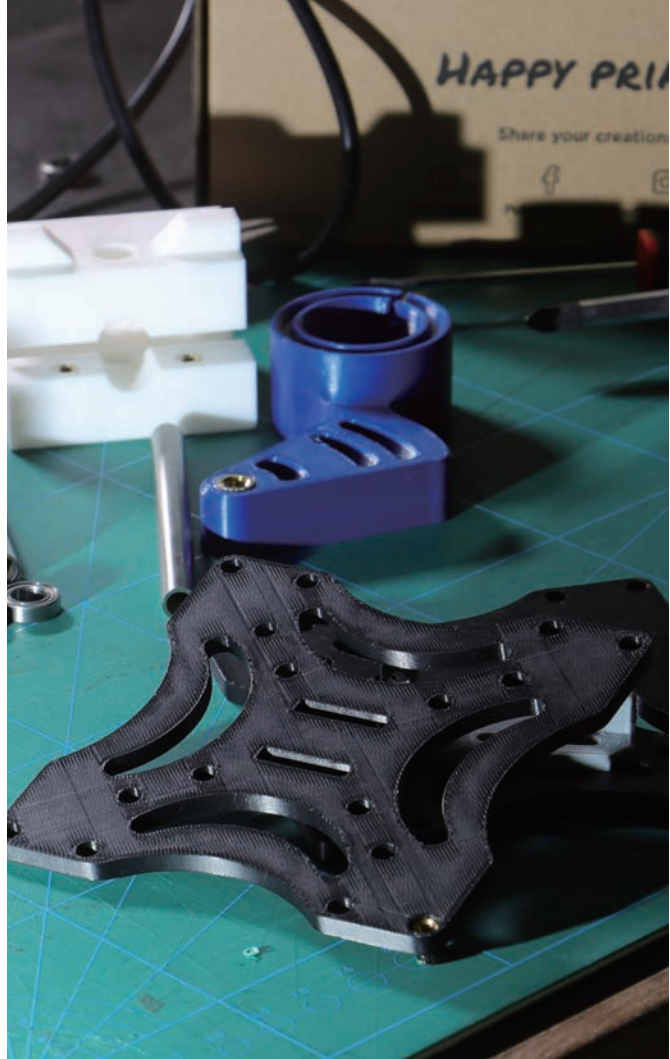
Excellent Toughness



High-Speed



Consistent Extrusion



## Description

PolySonic™ PLA Pro is a tough PLA that can print at incredible speeds. With its advanced formulation, this filament ensures durable, rugged prints, with an impact strength similar to ABS and bending strength outperforming ASA & PETG. When time is of the essence for functional parts, PLA Pro is the ideal choice for you.

## Printing Settings

Printing temp.: Classic: 190-210°C  
High: 210-230°C

Printing speed: Classic: 50-100mm/s  
High: 100-300mm/s

Bed temp.: 25-60°C

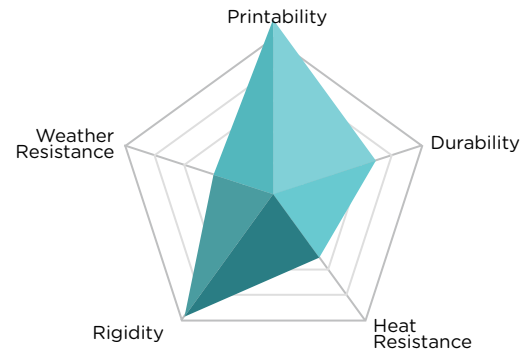
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolySonic™ PLA Pro





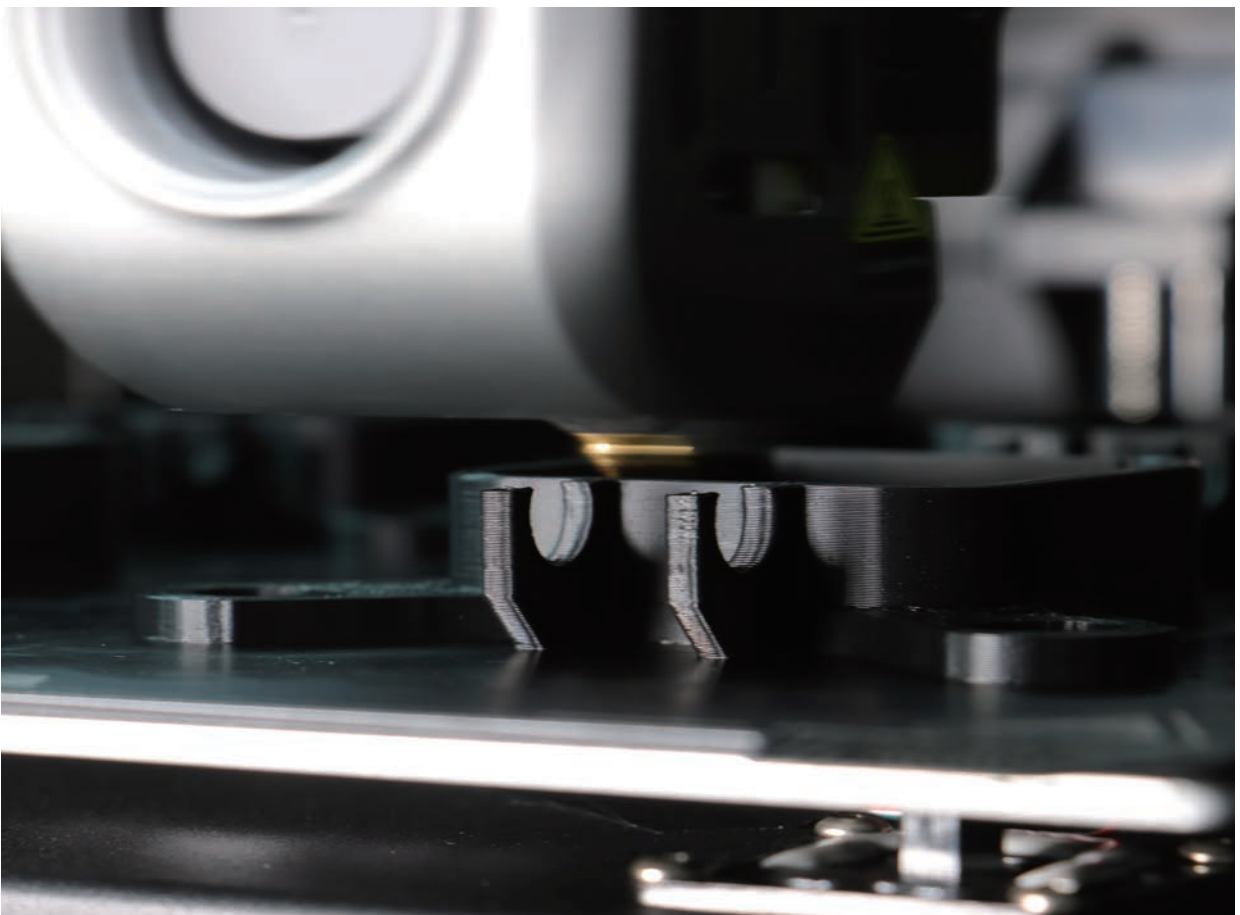
**Regular** A collection of commonly used colors.



Black



White



**Material:** PolySonic™ PLA Pro **Range:** Professional

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PolyTerra™ PLA

PolyTerra™ PLA is a 3D printing filament designed from the ground up to create the next generation of environmentally friendly filaments, combining ease of use, fast printing with a matte surface finish. It comes on a fully recycled cardboard spool with a wonderful range of pastel, marble, gradient, dual and regular colors.



PolyTerra™ PLA spool and box are made from recycled cardboard. Recycling reduces the amount of resources needed to manufacture new spools and boxes. Cardboard is biodegradable, microorganisms and other decomposers will break the fibers of the cardboard down and produce soil.



### **The next generation of PLA: Fully Bio Compound**

PolyTerra™ PLA is a newly developed material from Polymaker called FBC. It is a compound of PLA bioplastic and biocomposite. PLA is biodegradable under industrial composting conditions however the degradation rate is very slow in ambient temperatures. This specially designed biocomposite contains less plastic to degrade making PolyTerra™ PLA a more environmental friendly material.

The newly developed FBC from Polymaker is not only eco-friendlier but it also has multiple benefits in 3D printing

**Excellent printability:**

PolyTerra™ PLA features great overhang and bridging capability. It is also capable of reaching faster printing speeds while maintaining consistent extrusion.

**Matte/Smooth finish:**

PolyTerra™ PLA gives a smooth and matte surface finish on your prints, helping with hiding the layer pattern specific to FFF 3D printing.

**Easy support removal:**

One of the main advantages of PolyTerra™ PLA is that it's designed to support itself and breakaway easily.

**Jam-Free™ Technology:**

Just as Polymaker's PolyLite™ PLA, PolyTerra™ PLA also features Jam-Free™ Technology!

**Tougher than regular PLA:**

PolyTerra™ PLA toughness not only improves the printing reliability of the material but also allows the users to print more durable parts.

**Cost-effective:**

PolyTerra™ PLA is a very cost-effective product. It provides incredible 3D printing benefits and eco-friendly values while staying very affordable.





# PolyTerra™ PLA



Eco-friendly



Good printability



Easy support removal



## Description

PolyTerra™ PLA is a matte surface PLA-based 3D printing filament with a huge range of colors and effects to choose from. It is an extremely easy to print filament with great bridging & overhang qualities. It can print in a very wide temperature window and is compatible with all extrusion-based 3D printers.

## Printing Settings

Printing temp.: 190-230°C

Printing speed: 30-70mm/s

Bed temp.: 25-50°C

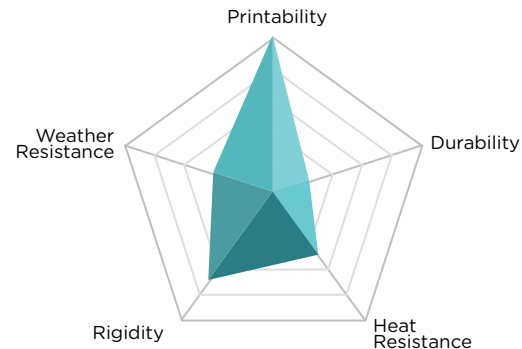
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolyTerra™ PLA





**Regular** A collection of commonly used colors.



Charcoal  
Black



Cotton  
White



Fossil  
Grey



Lava  
Red



Rose



Sapphire  
Blue



Savannah  
Yellow



Sakura  
Pink



Sunrise  
Orange



Lime  
Green



Forrest  
Green



Lavender  
Purple



Earth  
Brown



Wood  
Brown



Army  
Blue



Army  
Dark Green



Army  
Light Green



Army  
Brown



Army  
Beige



Army  
Red



Arctic  
Teal





Army  
Purple



Ash  
Grey





**Muted** A collection of grey, understated colors.



Muted  
White



Muted  
Red



Muted  
Blue



Muted  
Green



Muted  
Purple





**Pastel** A collection of soft, light and low saturated colors.



Watermelon



Ice



Peach



Candy



Mint



Banana



Peanut



**Marble** A collection of colors mimicking the texture of marble.



Marble  
White



Marble  
Slate Grey



**Gradient** A collection of colors displaying different colors in segments during printing



Cappuccino



Pastel Rainbow



Spring



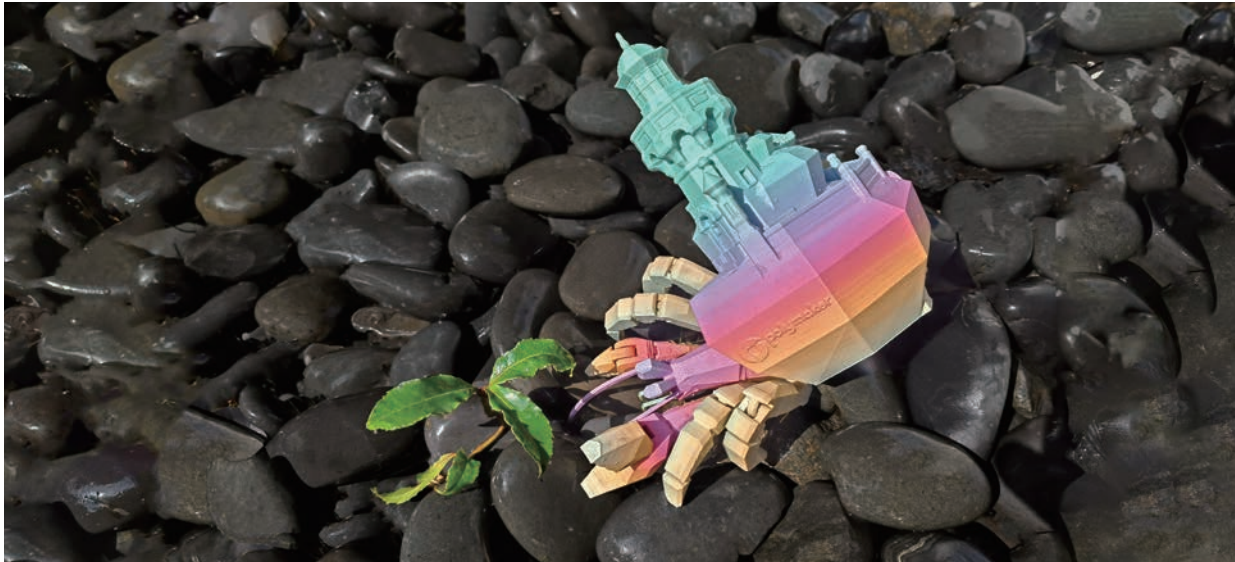
Summer



Fall



Winter





**Dual** A collection of colors displaying two colors on the cross-section of a single filament.



Glacier Blue  
(Ice-Blue)



Flamingo  
(Pink-Red)



Chameleon  
(Teal-Yellow)



Sunrise  
(Red-Yellow)



Shadow Black  
(White-Black)



Shadow Orange  
(Orange-Black)



Shadow Red  
(Black-Red)







Foggy Purple  
(Grey-Purple)



Foggy Orange  
(Grey-Orange)



Camouflage  
(Dark Green-Brown)



Mixed Berries  
(Red-Dark Blue)





**Dual Gradient** A collection of colors combining dual and gradient color characters.



Dual Gradient  
Wood





# PolyTerra™ PLA+



Eco-friendly



Good printability



Satin surface





## Description

PolyTerra™ PLA + is an impact modified PLA boosting the toughness and durability of PolyTerra™ PLA without compromising the excellent printability. Displaying a more satin finish, this low warp, high precision PLA can be used in more practical applications where a higher rigidity is required.

## Printing Settings

Printing temp.: 190-230°C

Printing speed: 30-70mm/s

Bed temp.: 25-50°C

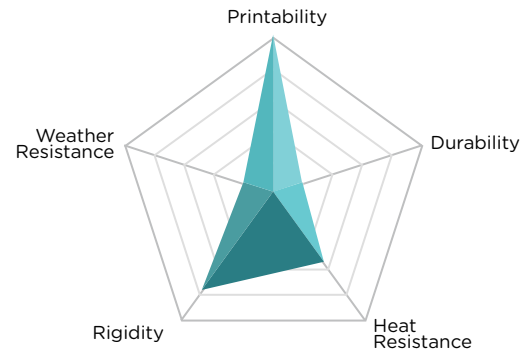
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolyTerra™ PLA+





**Regular** A collection of commonly used colors.



Black



White



Grey



Red



Polymaker  
Teal



Blue



Yellow



Orange



Green



Purple



**Material:** PolyTerra™ PLA

**Range:** Professional

47





## PolyTerra™ Edition-R



Good printability



Matte surface



~30% post-industrial  
waste



## Description

PolyTerra™ Edition-R is PLA filament containing 30% post-industrial recycled PLA. This PLA boosts the sustainability of an already eco-friendly material without compromising the print quality or printing characteristics. With a matte black surface finish this recycled PLA filament is the perfect filament for everyday applications.

## Printing Settings

Printing temp.: 190-230°C

Printing speed: 30-70mm/s

Bed temp.: 25-50°C

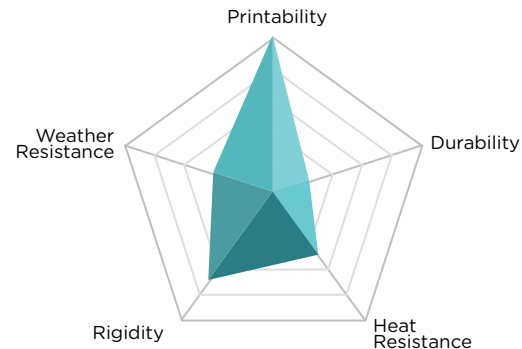
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolyTerra™ Edition-R





**Regular** A collection of commonly used colors.



Black



Material:

Range: Professional

51











PolyLite™ is a family of the most commonly used 3D printing filaments created with the highest quality raw materials to deliver reliable and repeatable 3D printed parts. PolyLite™ materials serve your everyday needs in design and prototyping, whilst also providing a huge color range and a number of interesting special effects.





PolyLite™ PLA



Good printability



Prints reliably



Made from renewable  
sources



## Description

PolyLite™ PLA is a reliable 3D printing material with a color ranges. It features high tensile strength and rigidity paired with great printability and outstanding printing characteristics. PolyLite™ PLA has the widest range of special effect filaments with silk, dual silk, glow in the dark, galaxy, starlight, temperature color change and UV color change, all offering a different surface effect.

## Printing Settings

Printing temp.: 190-230°C

Printing speed: 40-60mm/s

Bed temp.: 25-60°C

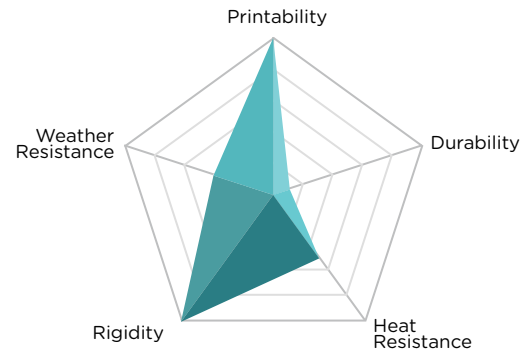
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolyLite™ PLA





**Regular** A collection of commonly used colors.



Black



White



Grey



Steel  
Grey



Red



Wine  
Red



Blue



Stone  
Blue



Azure  
Blue



Aqua  
Blue



Polymaker  
Teal



Natural



Yellow



Lemon  
Yellow



Pink



Magenta



Orange



Dark Gray  
Green



Green



Jungle  
Green



Lulzbot  
Green



Lime Green



Cream



Olive Brown



Beige



Olive Green



Purple



Brown



Sky Blue





**Silk** A collection of shiny, silk-like colors.



Silk Gold



Silk Silver



Silk Bronze



Silk Rose



Silk Blue



Silk Lime



Silk Purple



Chrome



Silk White



Silk Green



Silk Magenta



Silk Pink



Silk Orange



Silk Yellow



Silk Black



Silk Teal



Silk Red



Silk Rose



Silk Light



Silk Brass



Silk Peridot



Silk  
Dark Blue



Silk  
Periwinkle



Silk  
Gunmetal Grey



**Galaxy** A collection of colors displaying sparkling effect with hint of glitters.



Galaxy  
Black



Galaxy  
Dark Red



Galaxy  
Dark Blue





**Glow** A collection of showing natural color under light but glowing in the dark colors.



Glow  
In The Dark  
Green



Glow  
Blue





**Dual Silk** A collection of colors displaying two colors on the cross-section of a single filament.



Aubergine Silk  
Lime-Magenta



Banquet Silk  
Gold-Magenta



Beluga Silk  
Silver-Blue



Caribbean Sea  
Silk Blue-Green



Chameleon Silk  
Yellow-Blue



Crown Silk  
Gold-Silver



Jadeite Silk  
Green-Chrome





Sovereign Silk  
Gold-Purple



Sunset Silk  
Gold-Red



**Sparkle** A collection of colors displaying shimmering and glistening effect.



Sparkle  
Dark Green



Sparkle  
Dark Blue



**Starlight** A collection of color displaying different colors from different viewing angles.



Starlight  
Mercury



Starlight  
Jupiter



Starlight  
Neptune



Starlight  
Nebula



Starlight  
Comet



Starlight  
Meteor



Starlight  
Aurora



Starlight  
Twilight

**Luminous** A collection of colors displaying vivid color under light and glowing in the dark.



Luminous  
Green



Luminous  
Blue



Luminous  
Yellow



Luminous  
Pink



Luminous  
Orange



Luminous  
Rainbow





**Color-Change** A collection of changeable under temperature variation or UV radiation colors.



Temperature  
Color Change  
Green/Lime



Temperature  
Color Change  
Purple/Pink  
/Translucent



UV Color Change  
Natural/Orange

**Metallic** A collection of color shimmering with metallic luster.



Dark Blue



Dark Green

**Translucent** A collection of colored semi-transparent colors.



Translucent  
Orange



Translucent  
Blue



Translucent  
Red



Translucent  
Yellow

**Material:** PolyLite™ PLA

**Range:** Professional

67





# PolyLite™ PLA Pro



Excellent rigidity



High impact strength



Prints reliably





## Description

PolyLite™ PLA Pro is a first of its kind, combining high toughness and high rigidity, this professional PLA offers engineering properties without compromising the ease of printing of regular PLA. PLA PRO is the perfect candidate for a wide range of applications covering functional prototyping, jigs and fixtures and end use parts for consumer goods.

## Printing Settings

Printing temp.: 190-220 °C

Printing speed: 30-70mm/s

Bed temp.: 30-60 °C

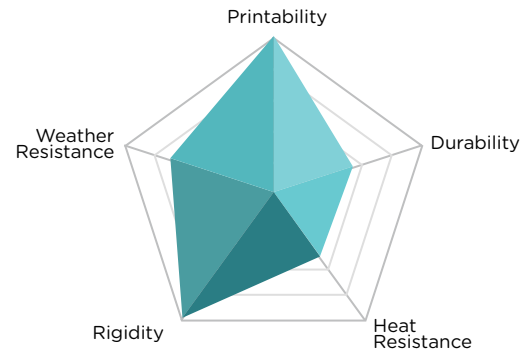
Chamber temp.: N/A

Fan: ON

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolyLite™ PLA Pro





**Regular** A collection of commonly used colors.



Black



Cold White



White



Grey



Red



Light Blue



Dark Purple



Blue



Blue-Green



Green



Light Green



Purple



Magenta



Light Red



Brown



3D Print General  
Flat Dark Earth



Polymaker  
Teal



Yellow



Light  
Yellow



Orange



Army  
Green



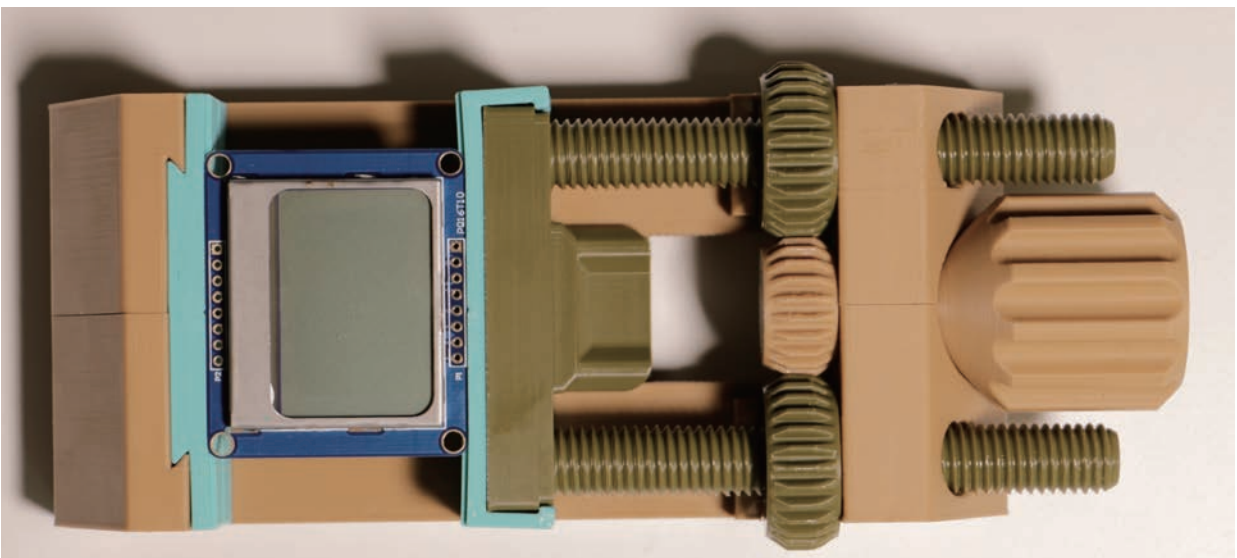
Army Beige



Dark Grey



Pink





**Metallic** A collection of color shimmering with metallic luster.



Metallic Green



LM Sparkle Green



Metallic Magenta



Bronze



Silver



Metallic Red



Metallic Blue



Gold





Excellent rigidity



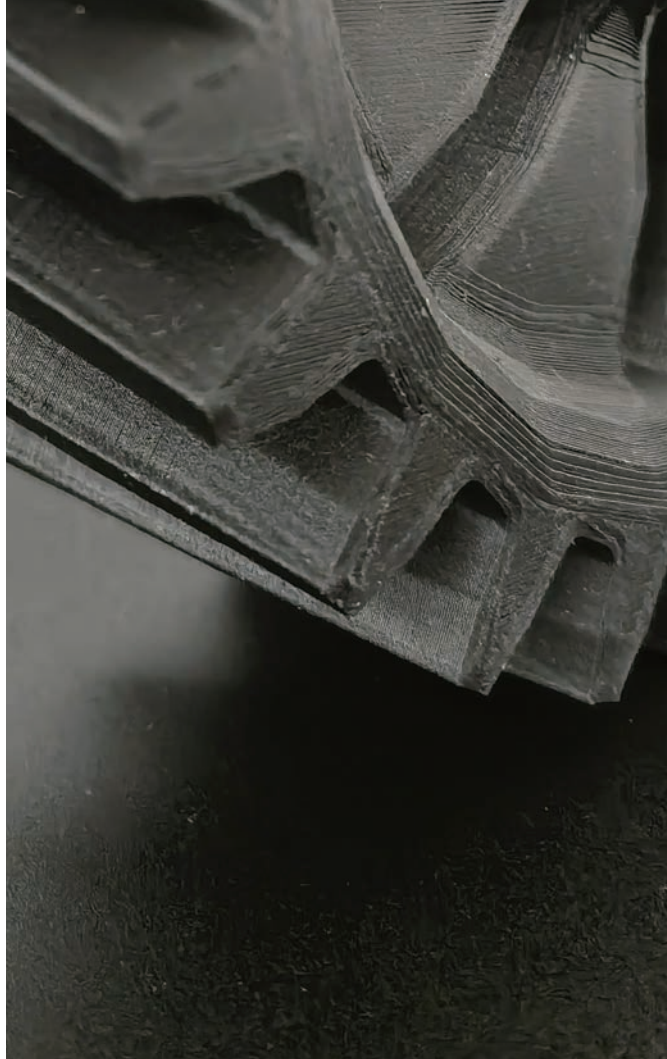
From renewable  
sources



Prints reliably



# PolyLite™ PLA-CF



## Description

PolyLite™ PLA-CF is a PLA filament that's reinforced with 8% milled carbon fibers. This not only boosts the rigidity of the filament, but it also produces parts with a beautiful carbon black surface finish. The carbon fibers help reduce shrinkage during printing, producing extremely dimensionally accurate 3D printed parts with a unique surface finish.

## Printing Settings

Printing temp.: 190-230 °C

Printing speed: 30-70mm/s

Bed temp.: 25-50 °C

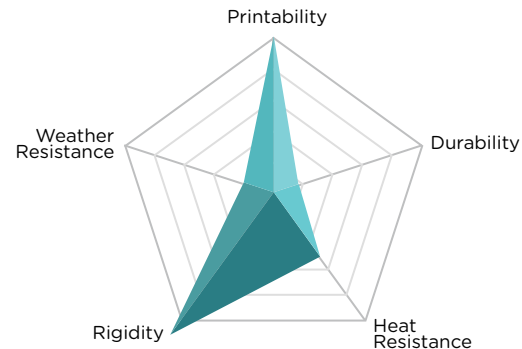
Chamber temp.: N/A

Fan: ON

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolyLite™ PLA-CF





**Regular** A collection of commonly used colors.



Black





**Material:** PolyLite™ PLA-CF

**Range:** Professional

77





# PolyLite™ LW-PLA



Low density



Matte surface



Good printability



## Description

PolyLite™ LW-PLA is a low-density PLA that uses Polymaker's Stabilized Foaming™ technology. This technology allows the PLA to re-foam after extrusion introducing a lattice foam structure that decreases the density by 30%. It prints using regular PLA settings and also produces a naturally matte surface finish which can hide the layer lines. LW-PLA is the perfect candidate where weight is critical and is popular among aerodynamicists.

## Printing Settings

Printing temp.: 190-210°C

Printing speed: 30-50mm/s

Bed temp.: 25-60°C

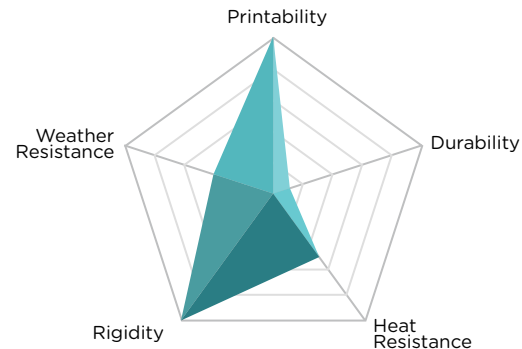
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolyLite™ LW-PLA





**Regular** A collection of commonly used colors.



Black



White



Grey



Bright  
Red



Bright  
Yellow



Bright  
Orange



Wood



Bright  
Green



**Material:** PolyLite™ LW-PLA

**Range:** Professional







82

Range: Professional

Material: PolyLite™ CosPLA



PolyLite™ CosPLA



Easy to Sand



Good printability



Great Paint Adhesion



@Carlos3DPrint

## Description

CosPLA consists of two specially developed formulas that provide the perfect solution for 3D printing cosplay. Version A has excellent sanding characteristics, allowing quick post-processing of helmets and detailed parts. Version B is a tougher PLA that is more suited to swords, hammers and armour which might encounter some impacts or cosplay that requires more strength.

## Printing Settings

Printing temp.: 190-230°C

Printing speed: 30-70mm/s

Bed temp.: 25-60°C

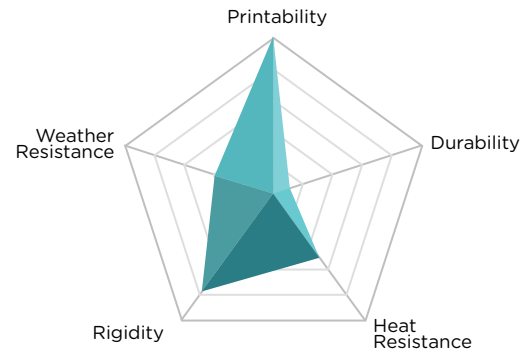
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolyLite™ CosPLA





**Regular** A collection of commonly used colors.



Grey





**Material:** PolyLite™ CosPLA

**Range:** Professional

85





Excellent all-rounder

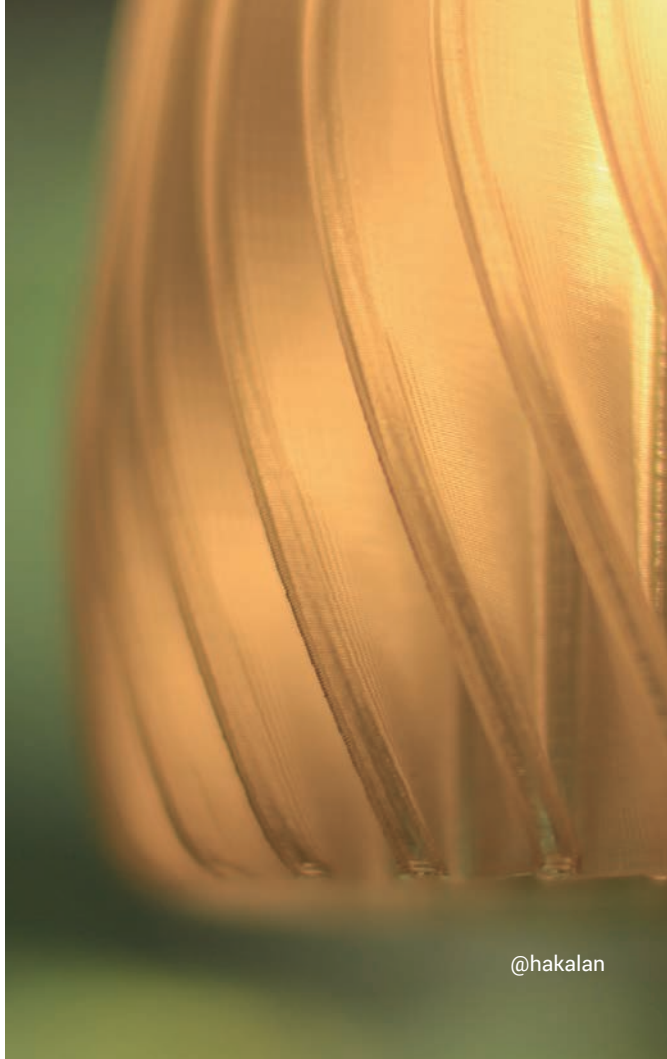


Good layer adhesion



Good light diffusion

# PolyLite™ PETG





## Description

PolyLite™ PETG is an affordable PETG filament with balanced mechanical properties and ease of printing. PolyLite™ PETG is just as easy to print as PolyLite™ PLA while offering an additional 20°C heat resistance and more durability. This lends PolyLite™ PETG to more functional applications where PLA would lack the durability or heat resistance such as lighting fixtures, vibrational parts or more functional product design prototypes.

## Printing Settings

Printing temp.: 230-240°C

Printing speed: 30-50mm/s

Bed temp.: 70-80°C

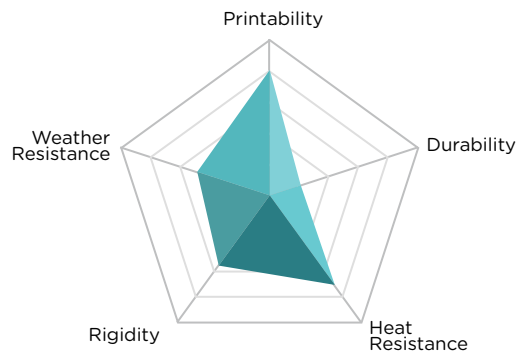
Chamber temp.: N/A

Fan: Turn off-20%

Drying settings: 65°C for 6h

Annealing: N/A

## Material Properties



PolyLite™ PETG



**Regular** A collection of commonly used colors.



Black



White



Dark  
Grey



Grey



Silver



Red



Blue



Green



Purple



Teal



Electric  
Blue



Yellow



Gold



Magenta



Pink



Orange



Dark  
Purple



Electric  
Blue



Lime



**Material:** PolyLite™ PETG

**Range:** Professional

89





**Translucent** A collection of colored semi-transparent colors.



Translucent  
Green



Translucent  
Red



Translucent  
Blue



Clear



**Metallic** A collection of color shimmering with metallic luster.



Dark Green



Dark Blue







92

Range: Professional

Material: PolyLite™ ABS



PolyLite™ ABS



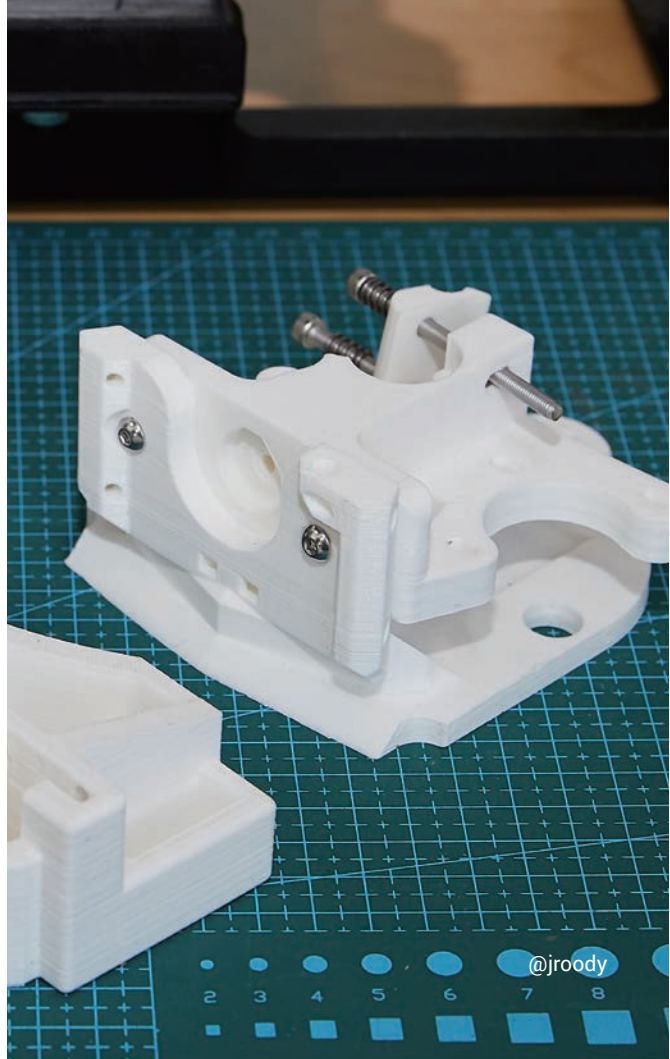
Heat resistant



Impact resistant



Machinable



@jroody



## Description

PolyLite™ ABS is made with a specialty bulk-polymerized ABS resin, which has significantly lower volatile content compared to traditional ABS resins. It delivers excellent printing quality with minimal odor during printing. Combining impact resistance with heat resistance (-100 °C), PolyLite™ ABS is a good choice for mechanical parts, robotics, functional prototyping or home appliance spare parts.

## Printing Settings

Printing temp.: 245-265°C

Printing speed: 30-50mm/s

Bed temp.: 90-100°C

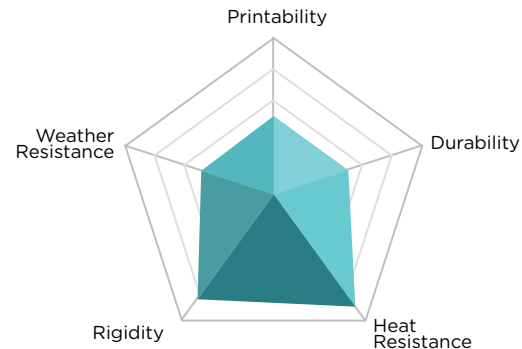
Chamber temp.: N/A

Fan: Off

Drying settings: 70°C for 6h

Annealing: N/A

## Material Properties



PolyLite™ ABS





**Regular** A collection of commonly used colors.



Black



White



Dark Grey



Grey



Red



Pink



Blue



Light Blue



Teal



Green



Lime



Orange



Gold



Natural



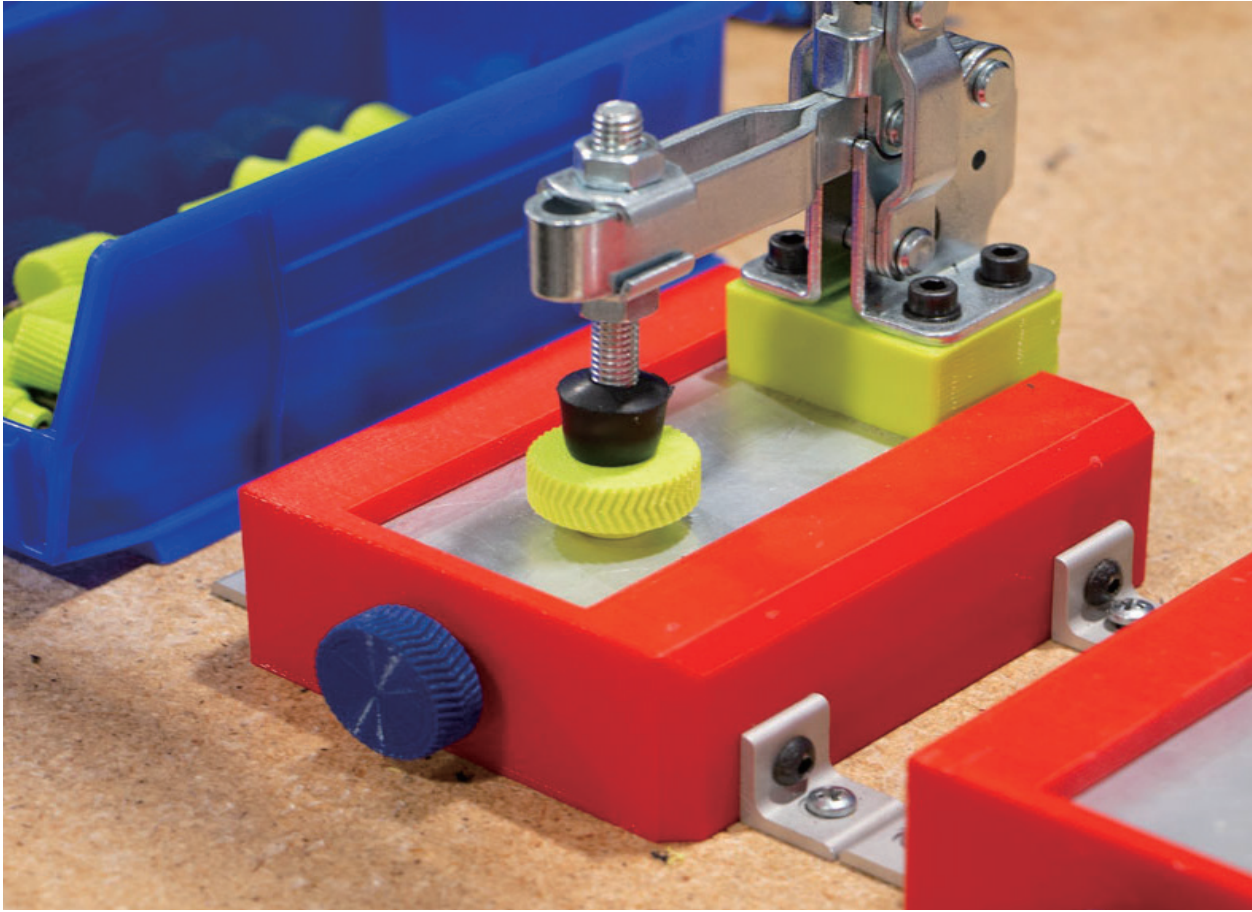
Yellow



Dark Purple



Purple



**Material:** PolyLite™ ABS

**Range:** Professional

95





**Galaxy** A collection of colors displaying sparkling effect with hint of glitters.



Galaxy  
Dark Grey



Galaxy  
Teal



Galaxy  
Orange



Galaxy  
Purple

**Neon** A collection of colors showing bright color under sunlight but displaying neon colors under UV light.



Neon  
Magenta



Neon  
Orange



Neon  
Yellow



Neon  
Green





# PolyLite™ ASA



UV resistant



Water resistant



Good thermal  
and mechanical  
properties



## Description

PolyLite™ ASA is an alternative to ABS with an improved weather resistance. Its UV resistance and excellent mechanical properties make it the perfect choice for outdoor applications. PolyLite™ ASA has the same mechanical and thermal properties as PolyLite™ ABS with the ability to resist sunlight (UV) and weather in general. Its good weather resistance makes it ideal for parts that need to weather the elements.

## Printing Settings

Printing temp.: 240-260°C

Printing speed: 30-50mm/s

Bed temp.: 75-95°C

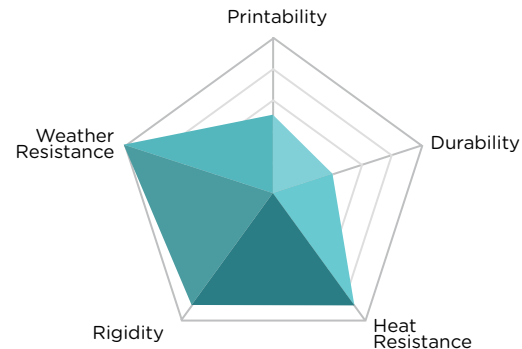
Chamber temp.: N/A

Fan: Off

Drying settings: 70°C for 6h

Annealing: N/A

## Material Properties



PolyLite™ ASA





100

Range: Professional

Material: PolyLite™ ASA

**Regular** A collection of commonly used colors.



Black



Jek Black



White



Grey



Dark Grey



Red



Blue



Polymaker  
Teal



Green



Dark Gray  
Green



Purple



Olive  
Brown



Natural



Orange



Yellow



Pop Blue



Pop Pink



Pop  
Green



Army  
Green



Army  
Brown



Dark  
Purple





**Material:** PolyLite™ ASA

**Range:** Professional





**Galaxy** A collection of colors displaying sparkling effect with hint of glitters.



Galaxy  
Green



Galaxy  
Red



Galaxy  
Blue



Galaxy  
Black

**Material:** PolyLite™ ASA

**Range:** Professional

103





104

Range: Professional

Material: PolyLite™ PC

# PolyLite™ PC



Heat resistant



Good light diffusion



Stiff and strong



@manueldo

## Description

PolyLite™ PC is produced using a polycarbonate resin that's specifically engineered for 3D printing. It delivers high stiffness and high heat resistance and due to its naturally transparent characteristics it can diffuse light very efficiently making it perfect for lighting and lampshade applications. Print large PC parts will require an enclosed chamber.

## Printing Settings

Printing temp.: 250-270°C

Printing speed: 30-50mm/s

Bed temp.: 90-105°C

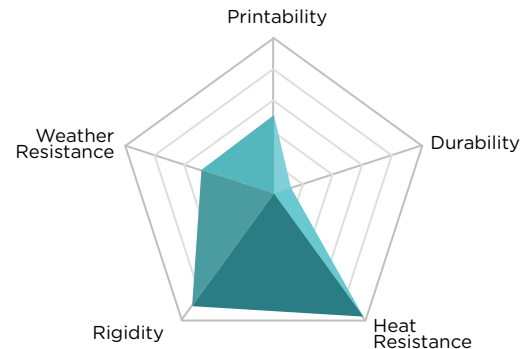
Chamber temp.: N/A

Fan: Off

Drying settings: 75°C for 6h

Annealing: 90°C for 2h

## Material Properties



PolyLite™ PC





**Regular** A collection of commonly used colors.



Transparent



**Material:** PolyLite™ PC

**Range:** Professional

107











PolyMax™ is a family of advanced 3D printing filaments produced with Polymaker's Nano-Reinforcement technology. This technology boosts the toughness of your 3D printed parts to deliver exceptional mechanical properties and printing quality. Covering some of the most commonly used 3D printing materials, each offering best in class mechanical properties.





# PolyMax™ PLA



Extremely tough  
PLA



Good printability



Prints reliably



## Description

PolyMax™ PLA is the pinnacle of our PLA range, mechanically outperforming ABS while still carrying the ease of use printing characteristics of PLA. Compared to regular PLA, PolyMax™ PLA has 5 times the durability, allowing your 3D printed parts to absorb impacts without displaying brittle failure modes.

## Printing Settings

Printing temp.: 190-230°C

Printing speed: 40-60mm/s

Bed temp.: 25-60°C

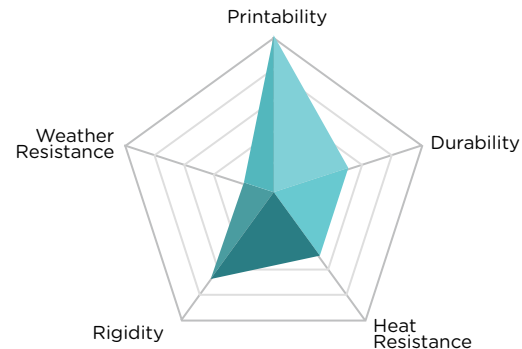
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolyMax™ PLA





**Regular** A collection of commonly used colors.



Black



White



Grey



Red



Pink



Blue



Green



Orange



Yellow



Polymaker  
Teal



Purple



FDE  
Beige



**Material:** PolyMax™ PLA

**Range:** Professional





## PolyMax™ PETG



Extremely tough PETG



Excellent all-rounder



Good layer adhesion



## Description

PolyMax™ PETG offers better mechanical properties than any other PETG making it a good candidate for a wide range of applications. PolyMax™ PETG is a very good all-rounder providing: ease of printing, heat resistance, durability and strength. It can be used for a wide range of applications covering functional prototyping, end-use products, brackets, spare parts, and robotic parts.

## Printing Settings

Printing temp.: 230-240°C

Printing speed: 30-50mm/s

Bed temp.: 70-80°C

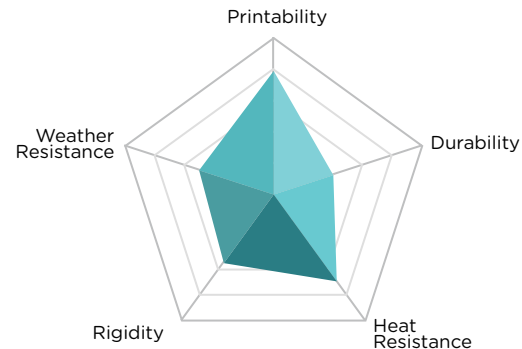
Chamber temp.: N/A

Fan: Turn off - 20%

Drying settings: 65°C for 6h

Annealing: N/A

## Material Properties



PolyMax™ PETG





**Regular** A collection of commonly used colors.

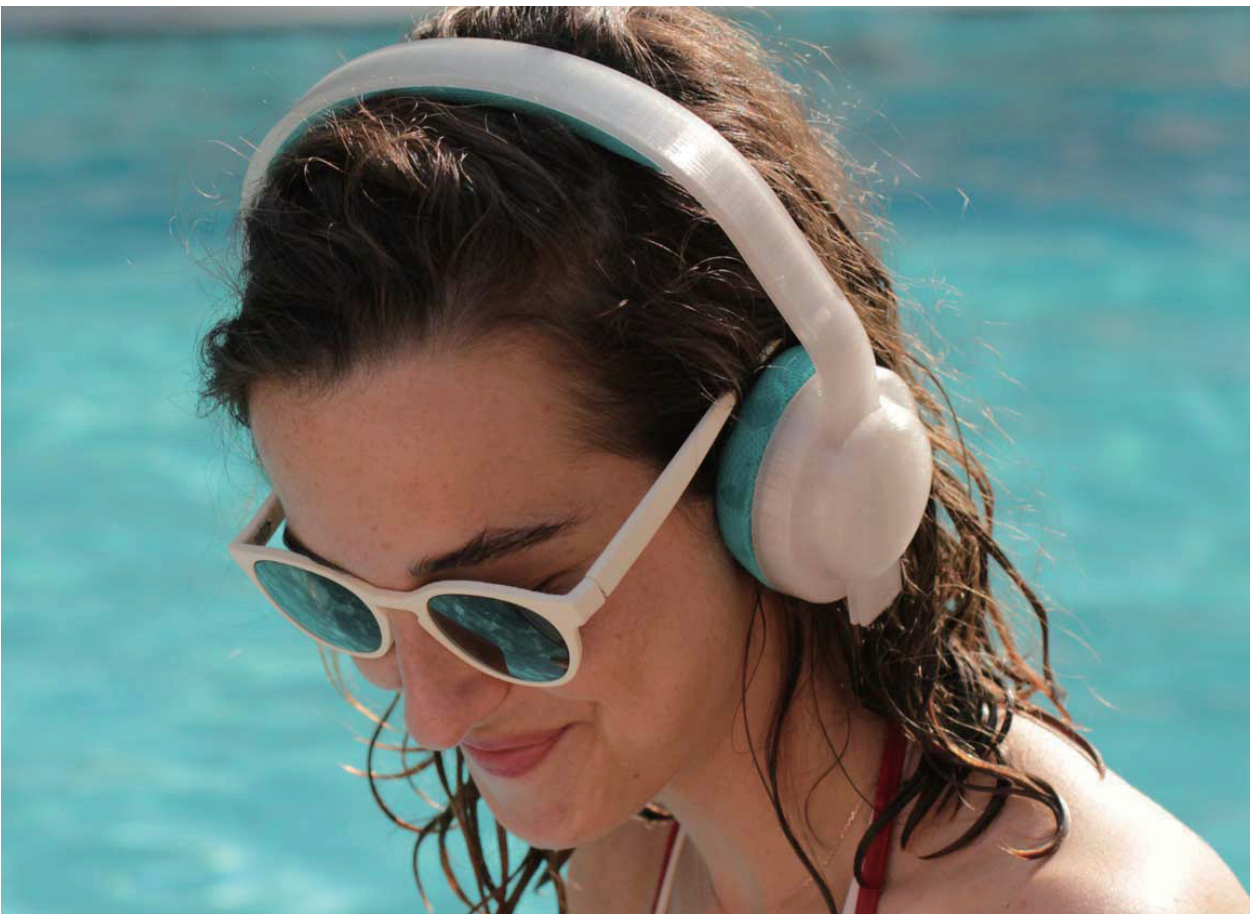


Black



White





**Material:** PolyMax™ PETG

**Range:** Professional

117





Extremely tough  
PETG



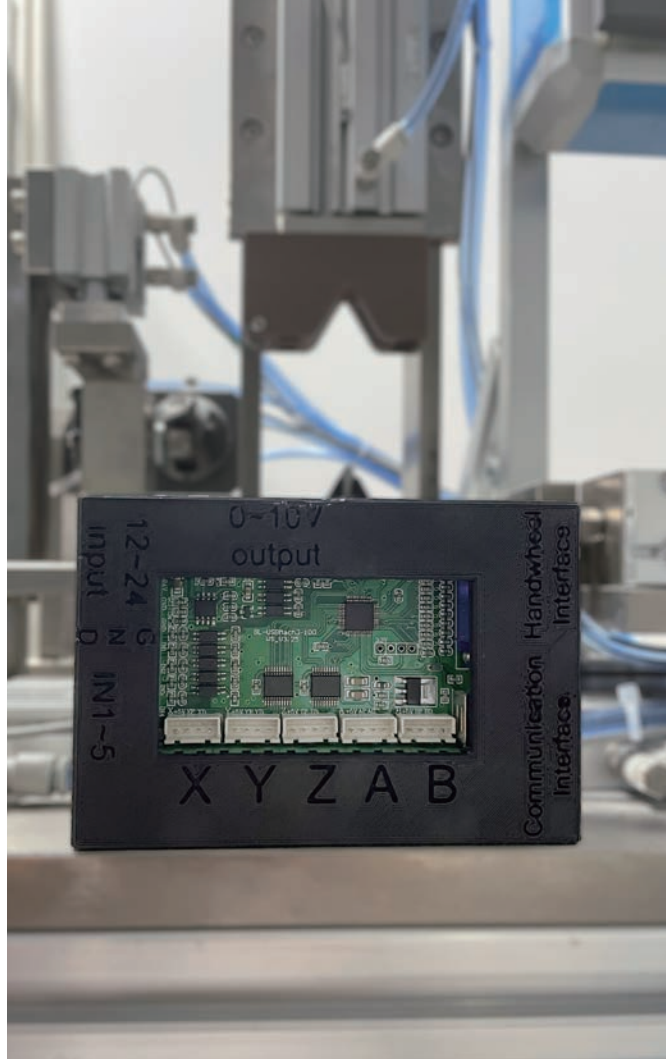
ESD Safety



Excellent  
all-rounder



# PolyMax™ PETG-ESD



## Description

PolyMax™ PETG-ESD pairs electrostatic dissipation (ESD) with an improved toughness PETG. PolyMax™ PETG-ESD is compounded with carbon nanotubes that allow it to dissipate electrostatic charges thanks to its very low surface resistivity. This innate property offers protection to delicate electronics during the electronic assembly processes or when printing electrical housings.

## Printing Settings

Printing temp.: 250-290 °C

Printing speed: 30-50mm/s

Bed temp.: 70-80 °C

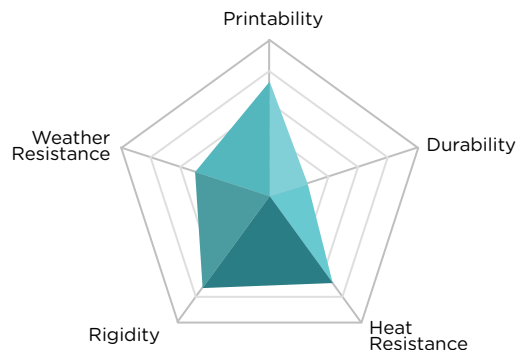
Chamber temp.: N/A

Fan: OFF

Drying settings: 65 °C for 6h

Annealing: N/A

## Material Properties



PolyMax™ PETG-ESD

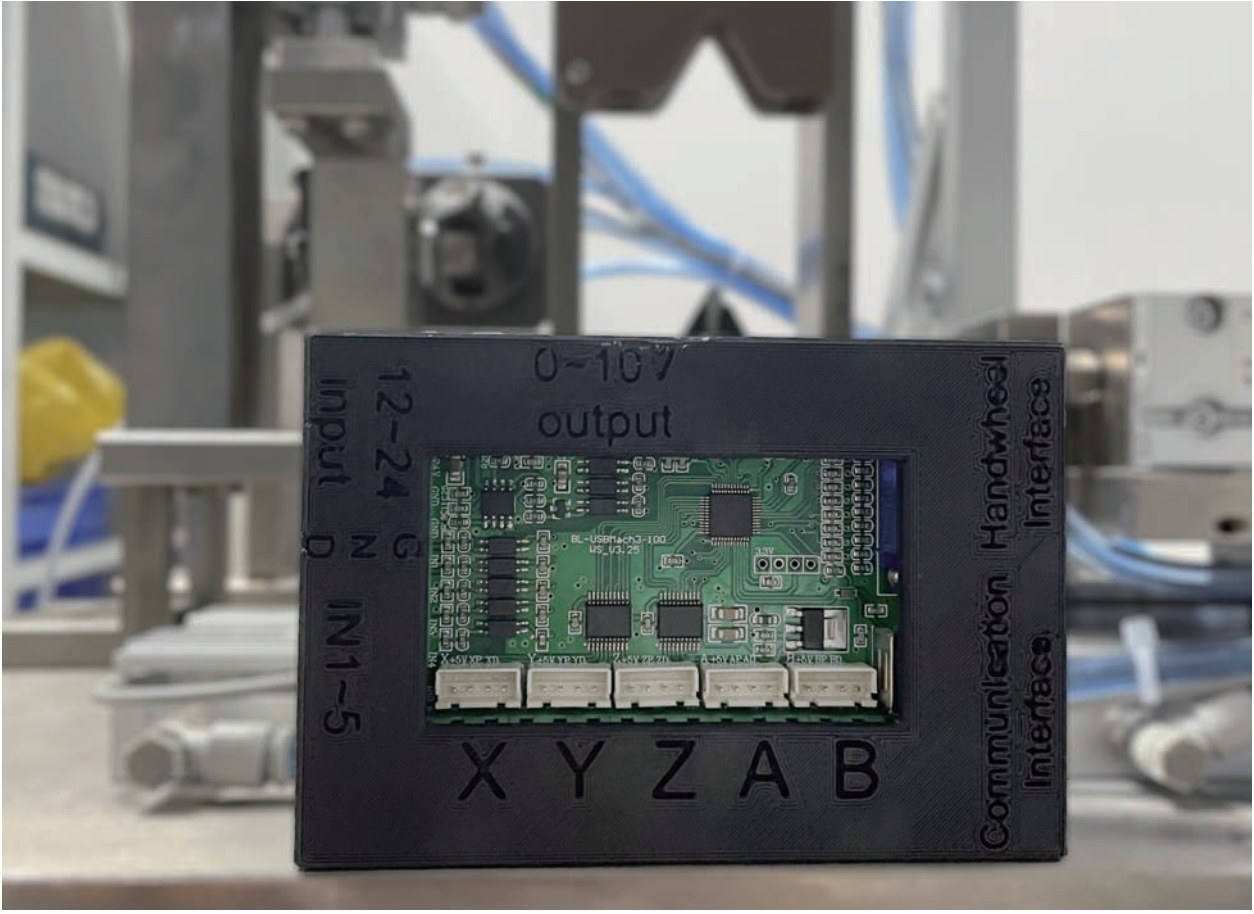




**Regular** A collection of commonly used colors.



Black





# PolyMax™ PC



Extremely tough  
PC



Heat resistant



Good layer  
adhesion



## Description

PolyMax™ PC is an engineering PC filament combining excellent strength, toughness, heat resistance and printing quality. It outperforms many other choices of PC while still printing at a relatively low printing temperature. With a softening point of 113°C it can operate in demanding environments where impact resistance, heat resistance and vibrations occur.

## Printing Settings

Printing temp.: 250-270°C

Printing speed: 30-50mm/s

Bed temp.: 90-105°C

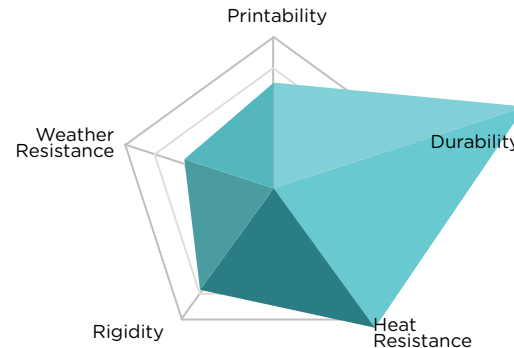
Chamber temp.: N/A

Fan: Off

Drying settings: 75°C for 6h

Annealing: 90°C for 2h

## Material Properties



PolyMax™ PC





**Regular** A collection of commonly used colors.



Black



White



Grey



Red



Blue





**Material:** PolyMax™ PC

**Range:** Professional

125





126

Range: Industrial

Material: PolyMax™ PC-FR



# PolyMax™ PC-FR



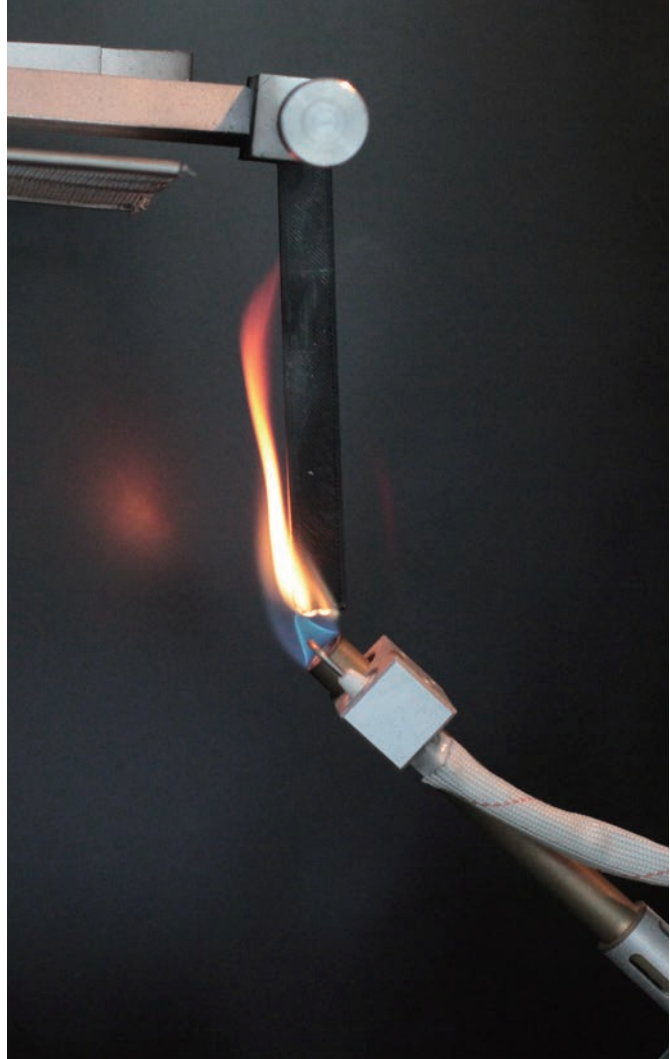
Flame retardant



Heat resistant



Strong and tough



## Description

PolyMax™ PC-FR is a fire-retardant PC filament displaying strength and toughness whilst also achieving a V0 score in the UL94 flame retardancy test. PolyMax™ PC-FR can reduce the intensity of a fire or slow/stop the spread of fire due to its self-extinguishing characteristics.

## Printing Settings

Printing temp.: 250-270°C

Printing speed: 30-50mm/s

Bed temp.: 90-105°C

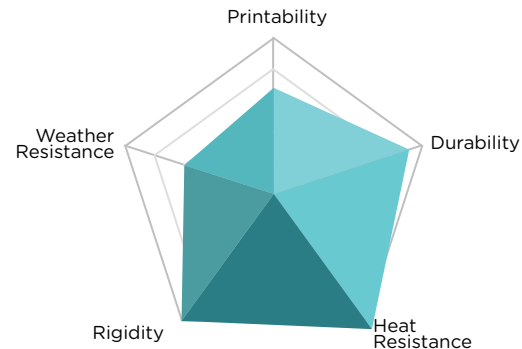
Chamber temp.: 90-100°C

Fan: Off

Drying settings: 75°C for 6h

Annealing: 90°C for 2h

## Material Properties



PolyMax™ PC-FR





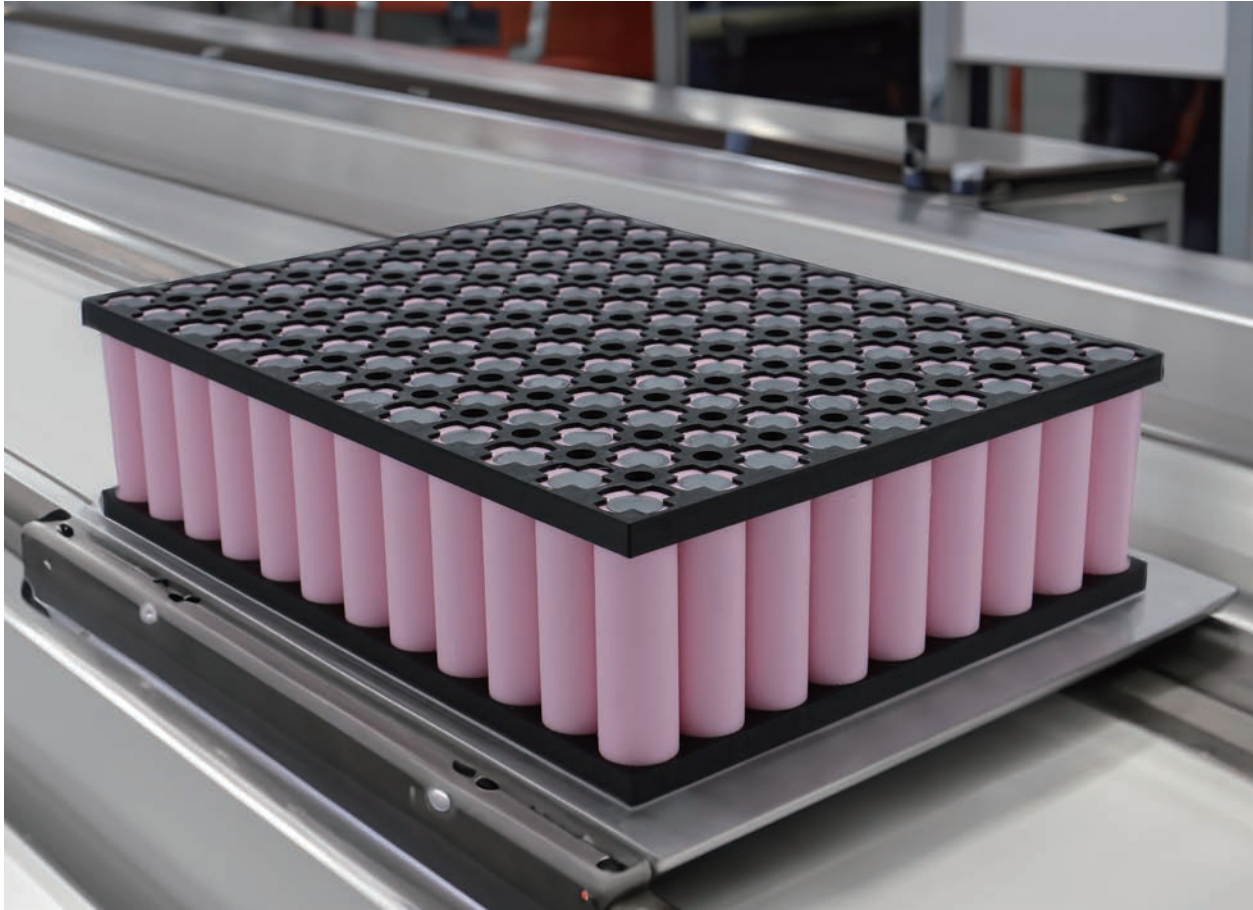
**Regular** A collection of commonly used colors.



Black



White



**Material:** PolyMax™ PC-FR

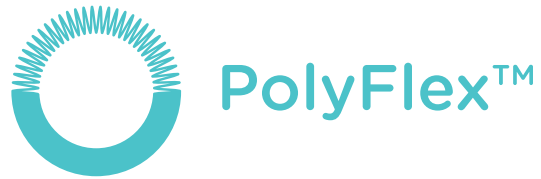
**Range:** Industrial

129





@SamPurdie



PolyFlex™ is a family of high-quality flexible materials that allows your 3D printed parts to take on new shapes after printing. Flexible materials are extremely durable and cannot be measured in the same way as other filaments. The PolyFlex™ family offers some flexibility to your designs allowing you to stretch your ideas even further.







# PolyFlex™ TPU90



Flexible with shore 90A



Good printability



UV resistance





## Description

PolyFlex™ TPU90, created from Covestro's Addigy® TPU family offers the highest degree of flexibility in the PolyFlex™ family. With a shore hardness of 90A and an elongation to break of 585% this flexible filament is extremely soft while still being printable. TPU90 is certified with ISO10993 allowing it to be used for medical and skin contact devices.

## Printing Settings

Printing temp.: 210-230°C

Printing speed: 30-60mm/s

Bed temp.: 25-60°C

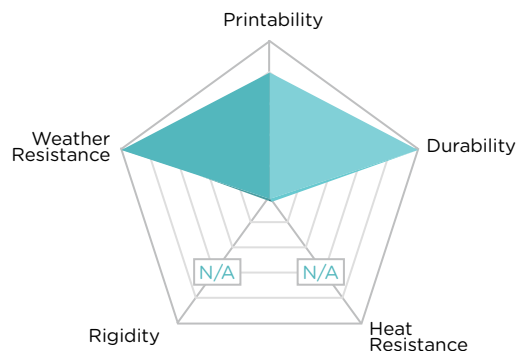
Chamber temp.: N/A

Fan: On

Drying settings: 70°C for 8h

Annealing: N/A

## Material Properties



PolyFlex™ TPU90





**Regular** A collection of commonly used colors.



Black



White



Grey



Polymaker  
Teal



Clear



**Material:** PolyFlex™ TPU90

**Range:** Professional





# PolyFlex™ TPU95



Flexible with shore 95A



Good printability



Extremely durable



## Description

PolyFlex™ TPU95 is a flexible filament with a shore hardness of 95A which suits it perfectly to most flexible applications. Fine tuning the wall thickness and infill when printing can adjust the flexibility of your printed part. TPU95 is extremely durable and able to stretch more than 3 times its original length without breaking.

## Printing Settings

Printing temp.: 210-230°C

Printing speed: 20-40mm/s

Bed temp.: 25-60°C

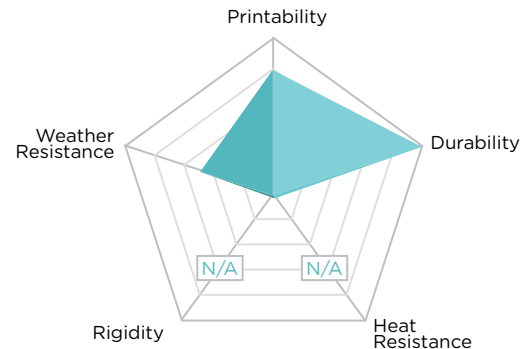
Chamber temp.: N/A

Fan: On

Drying settings: 70°C for 8h

Annealing: N/A

## Material Properties



PolyFlex™ TPU95





**Regular** A collection of commonly used colors.



Black



White



Red



Blue



Yellow



Orange



Pink



**Material:** PolyFlex™ TPU95

**Range:** Professional







# PolyFlex™ TPU95-HF



Flexible with  
shore 95A



High flow



UV resistance





## Description

HF stands for High flow and this flexible filament has a melt index higher than some PLA filaments. This means it can be printed faster than all other flexible filaments and all printing characteristics, such as, retraction and overhangs are improved. Created from Covestro's Addigy® family, TPU95-HF combines with its UV resistance, flexibility and high-speed printing.

## Printing Settings

Printing temp.: 200-220°C

Printing speed: 40-100mm/s

Bed temp.: 25-50°C

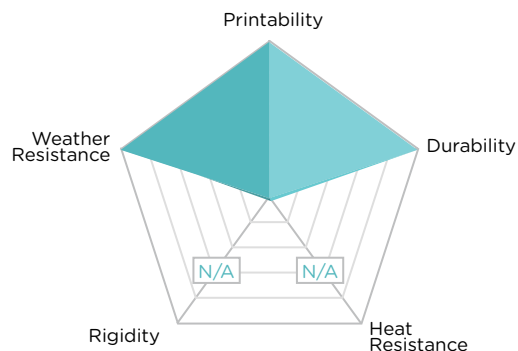
Chamber temp.: N/A

Fan: ON

Drying settings: 70°C for 8h

Annealing: N/A

## Material Properties



PolyFlex™ TPU95-HF





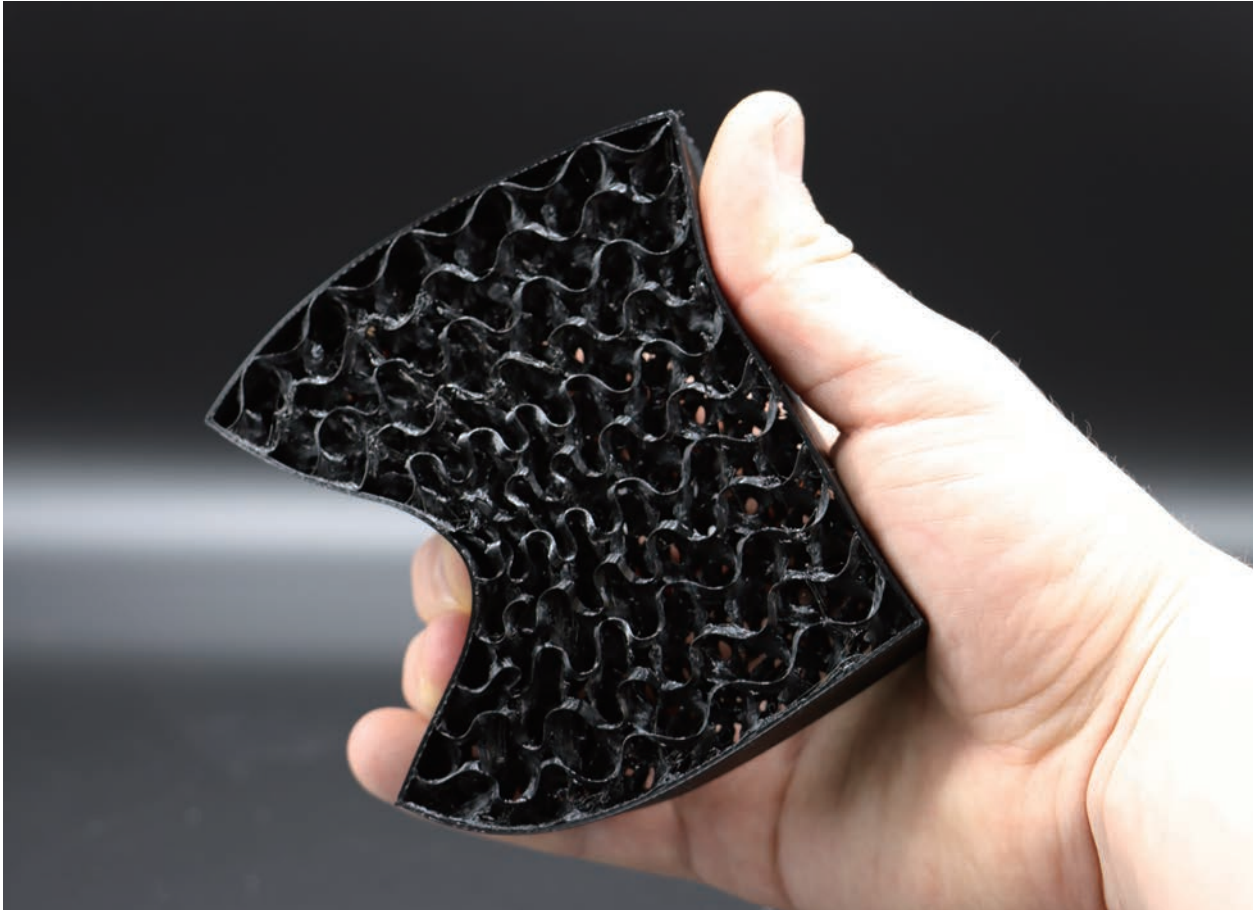
**Regular** A collection of commonly used colors.



Black



White



Material: PolyFlex™ TPU95 -HF Range: Industrial





@XEV



PolyMide™ is a family of Nylon/polyamide based filaments. Produced with Polymaker's Warp-Free™ technology, PolyMide™ filaments deliver engineering properties intrinsic to Nylon and ease of printing on open and closed bed 3D printers. Nylon offers some of the best mechanical properties of any material and the fiber reinforced materials boost these properties even further.





High heat  
resistance



Balanced  
mechanical  
properties



Dimensionally  
stable during  
printing



PolyMide™ CoPA



## Description

PolyMide™ CoPA is a copolymer of Nylon 6 and Nylon 6,6 combining high tensile strength properties from Nylon 6 with heat resistance properties from Nylon 6.6. Warp-Free™ technology provides ease of printing by slowing down the crystallization allowing CoPA to be easily printed on open bed printers. Displaying outstanding mechanical and thermal properties, CoPA is suited for parts in demanding environments.

## Printing Settings

Printing temp.: 250-270°C

Printing speed: 30-60mm/s

Bed temp.: 25-50°C

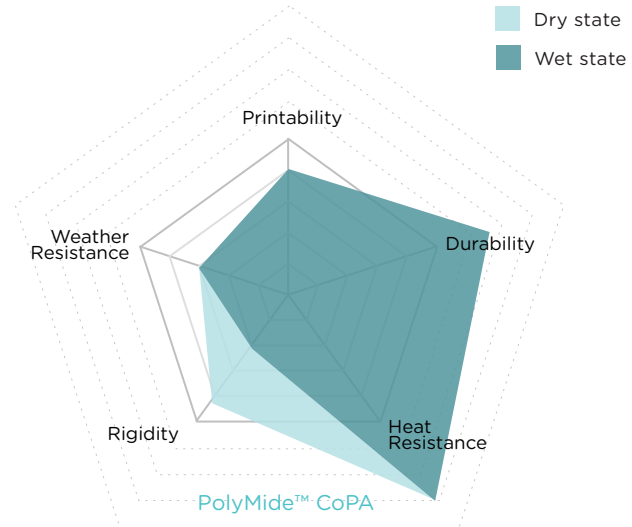
Chamber temp.: N/A

Fan: Off

Drying settings: 100°C for 8h

Annealing: 80°C for 6h

## Material Properties





**Regular** A collection of commonly used colors.



Black

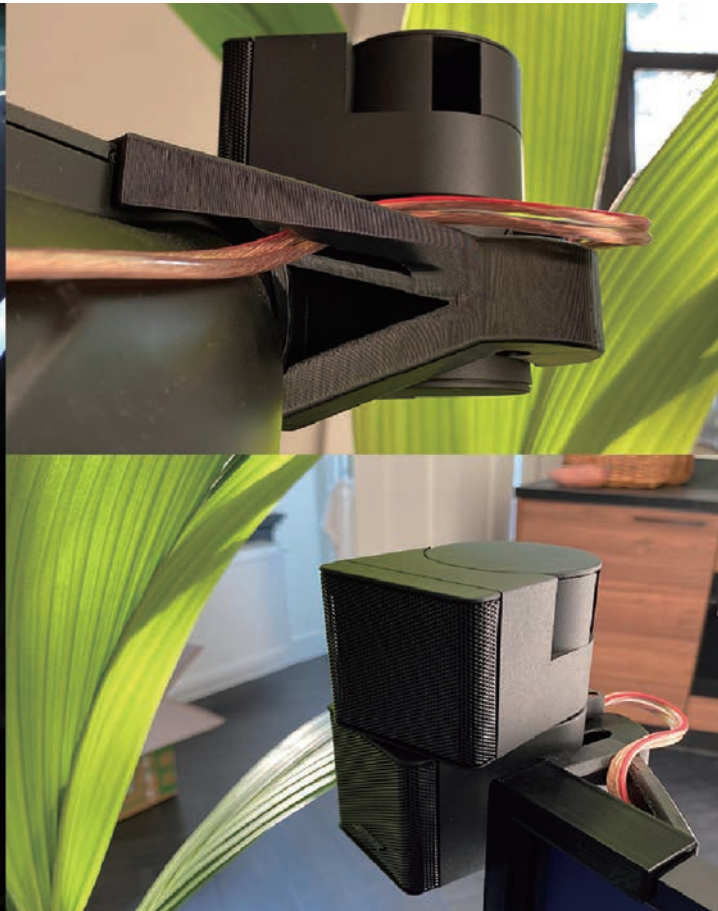


Natural





Custom Fixtures  
PolyMide™ CoPA



**Material:** PolyMide™ CoPA

**Range:** Professional





## PolyMide™ PA612-CF



Low moisture  
sensitivity



Excellent  
mechanical  
properties



Warp free



## Description

PolyMide™ PA612-CF is a carbon fiber reinforced polyamide filament based on a copolymer of PA6 and PA12. Thanks to its chemical structure, this product has lower moisture sensitivity compared to PA6/66 and PA6-based materials, and better mechanical properties than PA12-based materials. In addition, the carbon fiber reinforcement and Warp-free technology enhance the dimensional stability of the prints produced with this material.

## Printing Settings

Printing temp.: 250-300°C

Printing speed: 30-60mm/s

Bed temp.: 25-50°C

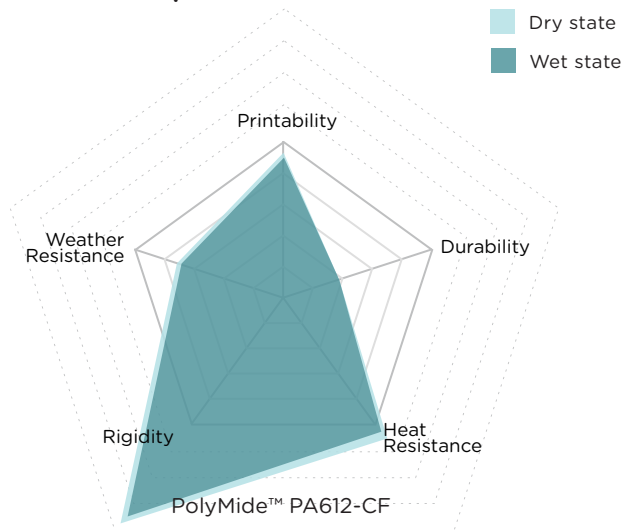
Chamber temp.: N/A

Fan: Off

Drying settings: 100°C for 8h

Annealing: 80°C for 6h

## Material Properties



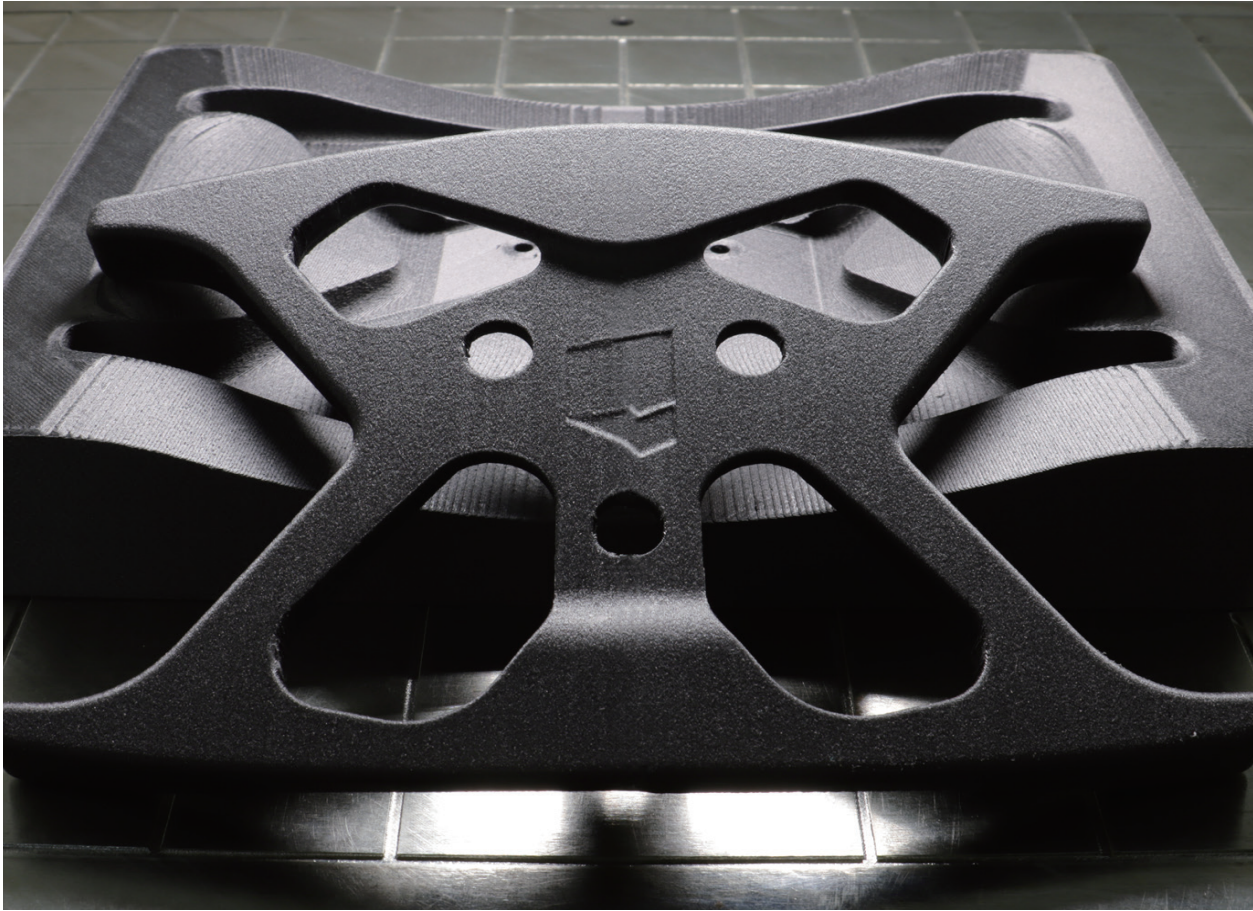


**Regular** A collection of commonly used colors.



Black





Material: PolyMide™ PA612-CF Range: Industrial





## PolyMide™ PA6-GF



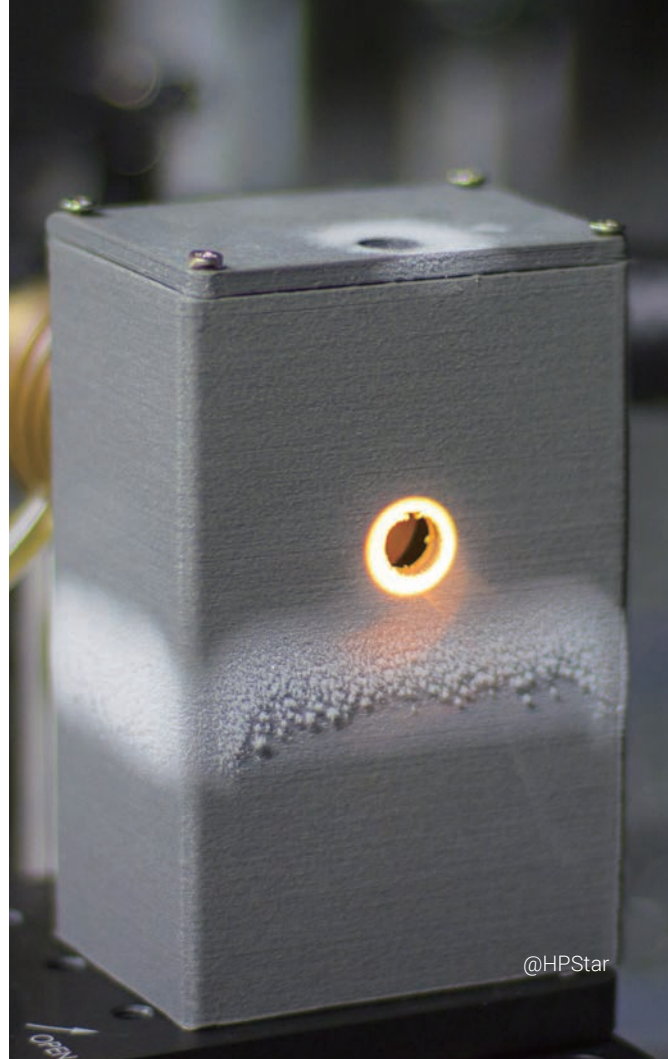
Excellent isotropic  
mechanical  
properties



High heat  
resistance



Excellent dimension  
stability during  
printing





## Description

PolyMide™ PA6-GF is a glass fiber reinforced Nylon 6 filament. The material exhibits excellent thermal and mechanical properties without sacrificing the layer adhesion or printability. PolyMide™ PA6-GF is strong, durable and features a heat deflection temperature of 191°C. It can be used in applications where stiffness and durability are paramount.

## Printing Settings

Printing temp.: 280-300°C

Printing speed: 60mm/s

Bed temp.: 30-60°C

Chamber temp.: 25-50°C

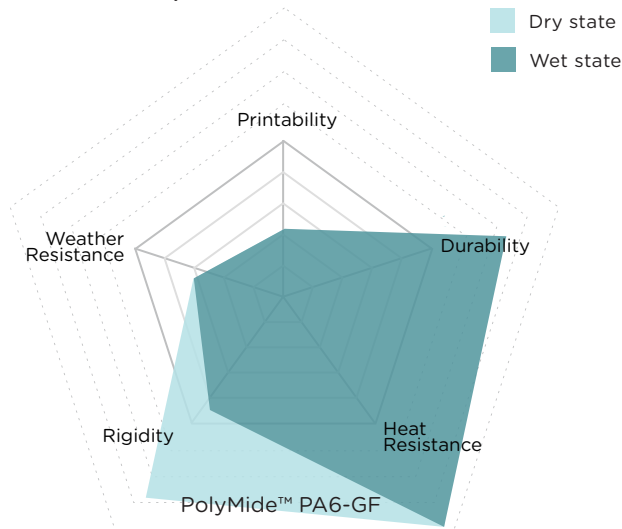
Fan: Off

Drying settings: 100°C for 8h

Annealing: 80°C for 6h

\*hardened nozzle required

## Material Properties



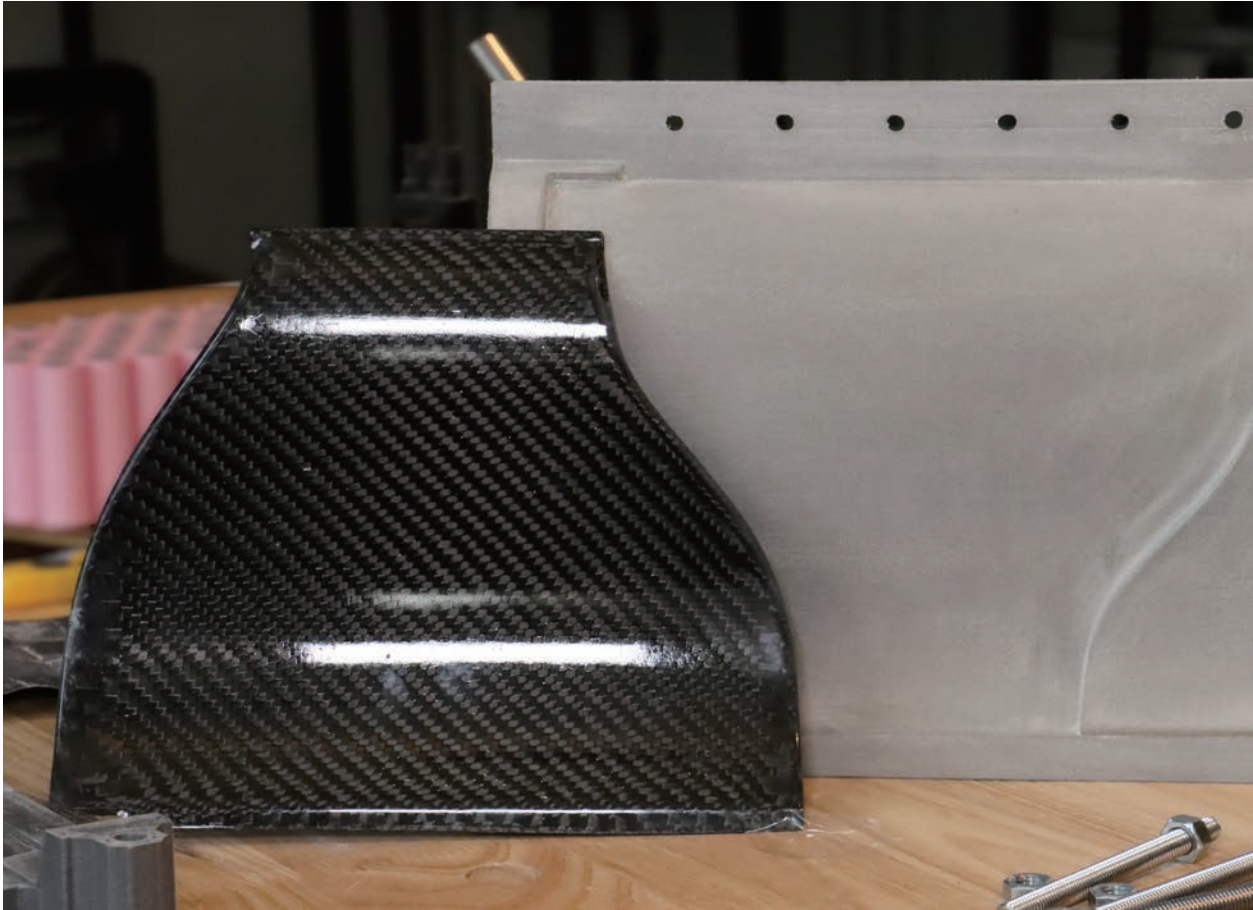


**Regular** A collection of commonly used colors.



Grey





**Material:** PolyMide™ PA6-GF **Range:** Industrial





# PolyMide™ PA6-CF



Excellent isotropic rigidity



High heat deflection temperature



Excellent dimension stability during printing





## Description

PolyMide™ PA6-CF is a 20% carbon fiber reinforced Nylon 6 filament. The carbon fiber reinforcement provides significantly improved stiffness, strength and heat resistance with outstanding layer adhesion thanks to Fiber Adhesion™ Technology. PolyMide™ PA6-CF outperforms almost every 3D printing material, offering extreme durability and functionality while featuring a heat deflection temperature of 215°C.

## Printing Settings

Printing temp.: 280-300°C

Printing speed: 25-50mm/s

Bed temp.: 30-60°C

Chamber temp.: N/A

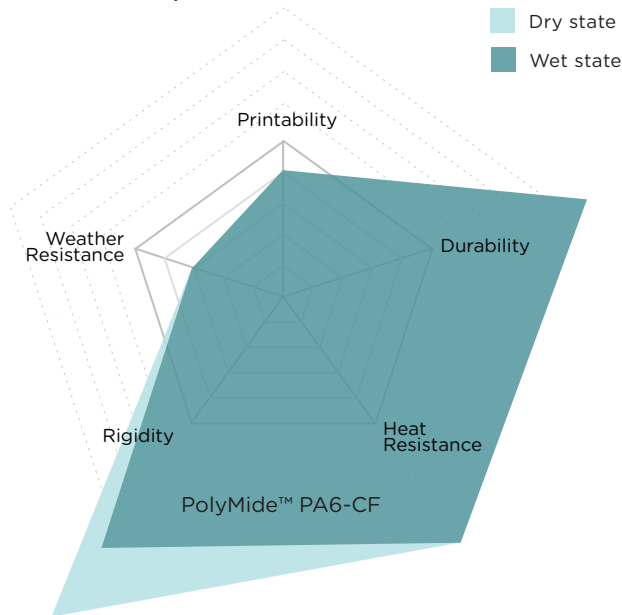
Fan: Off

Drying settings: 100°C for 8h

Annealing: 80°C for 6h

\*hardened nozzle required

## Material Properties

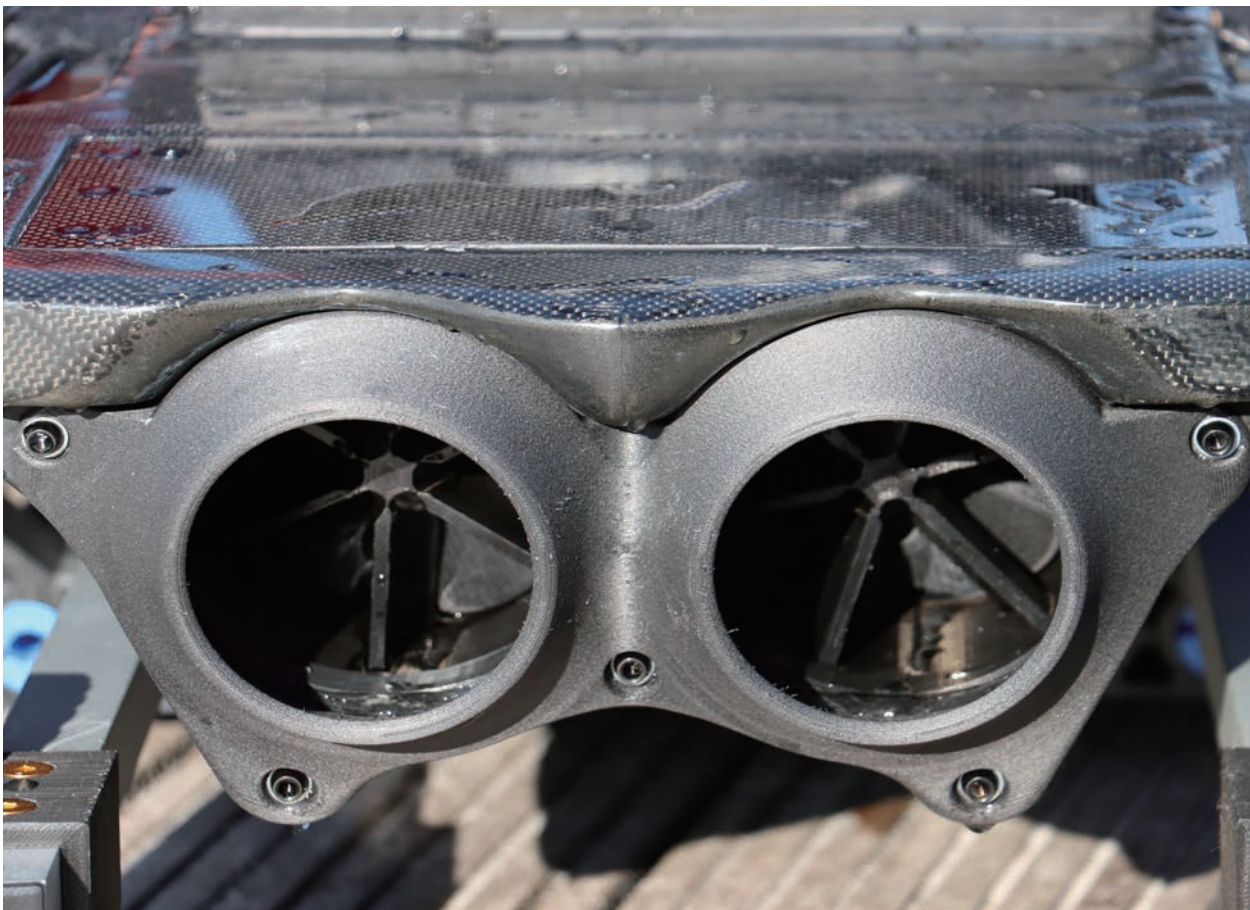




**Regular** A collection of commonly used colors.



Black



**Material:** Polyimide™ PA6-CF    **Range:** Industrial





## PolyMide™ PA12-CF



Excellent surface  
finish



Low moisture  
sensitivity



Excellent dimension  
stability during  
printing





## Description

PolyMide™ PA12-CF is a carbon fiber reinforced Nylon 12 filament. The main advantage of Nylon 12 over Nylon 6 filaments is its low moisture sensitivity. This improves the handling, storing and printing capabilities while still offering superior mechanical properties compared to other filaments.

## Printing Settings

Printing temp.: 260-300°C

Printing speed: 30-60mm/s

Bed temp.: 25-50°C

Chamber temp.: N/A

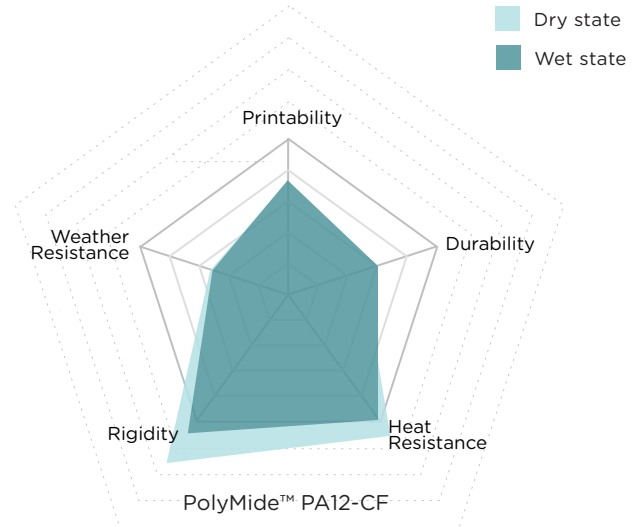
Fan: Off

Drying settings: 100°C for 8h

Annealing: 80°C for 6h

\*hardened nozzle required

## Material Properties





**Regular** A collection of commonly used colors.



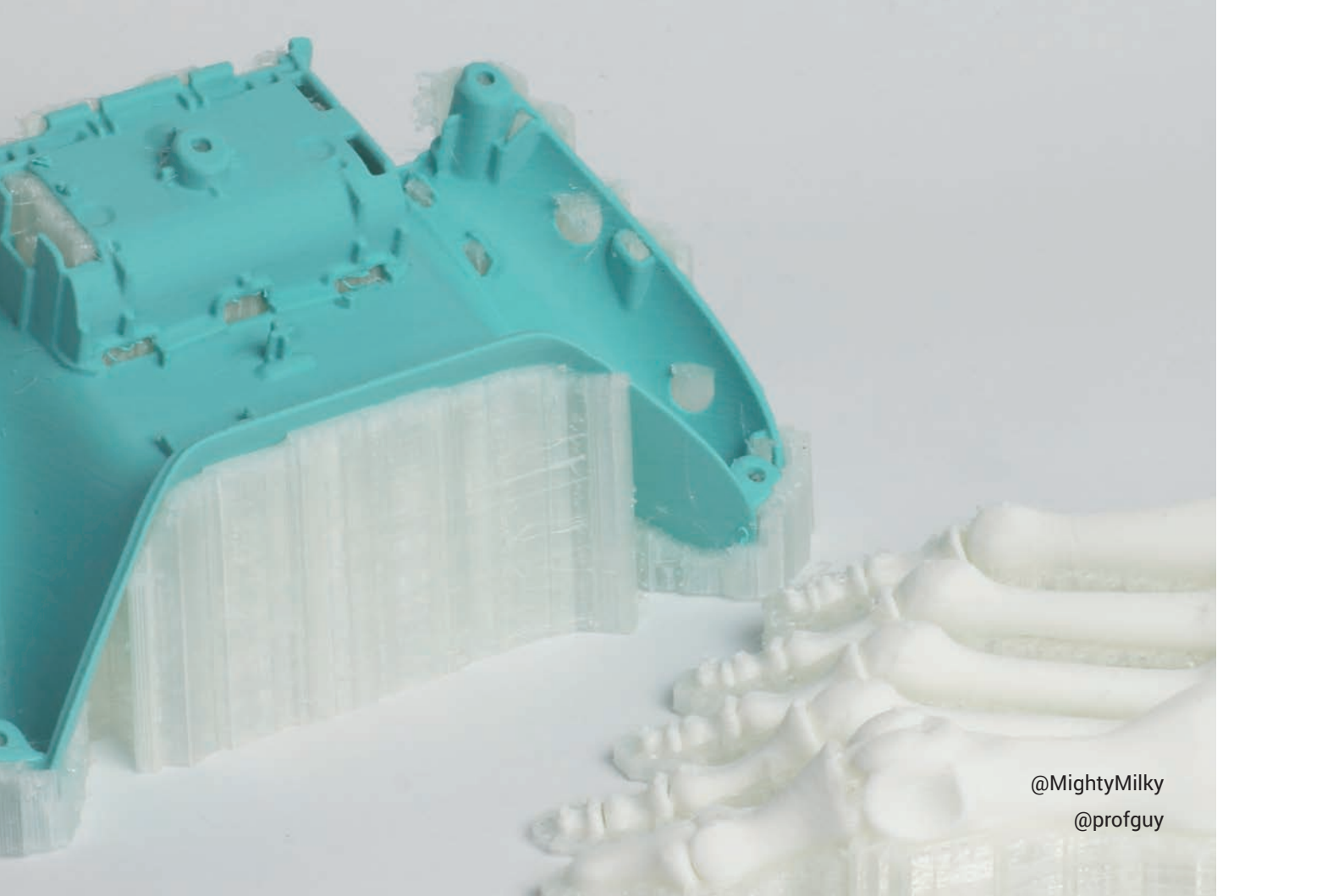
Black





**Material:** PolyMide™ PA12-CF **Range:** Industrial





@MightyMilky

@profguy



# PolyDissolve™

PolyDissolve™ is a family of dissolvable support filaments which can dissolve very quickly in water after printing. This family offers a support solution for complex geometries and internal cavities adding a hands-free support removal process to your printing workflow. By unlocking new geometries, it enables a greater freedom of design where breakaway support might not be accessible after printing.





# PolyDissolve™ S1



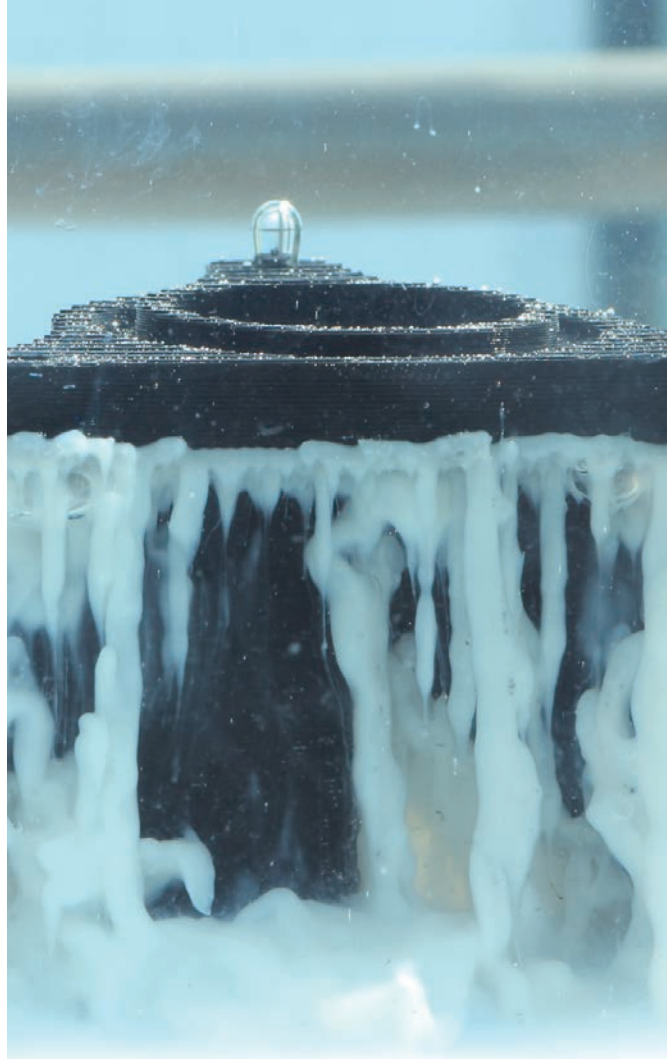
Compatible with multiple materials



Good solubility



Excellent support interface



## Description

PolyDissolve™ S1 is a water dissolvable support material that's compatible with PLA, TPU, PVB and Nylon filaments from our portfolio. It is specifically engineered to have a perfect interface with these materials, supporting them while printing while also displaying accelerated solubility in room temperature water after printing.

## Printing Settings

Printing temp.: 215-225°C

Printing speed: 30-40mm/s

Bed temp.: 25-60°C

Chamber temp.: N/A

Fan: On

Drying settings: 80°C for 12h

Annealing: N/A

## Compatibility

PLA based material ++

PETG based material +

ABS/ASA based material --

PC based material --

PVB based material ++

TPU based material ++

Short-chain Nylon based material --

Long-chain Nylon based material -

From Polymaker™ portfolio

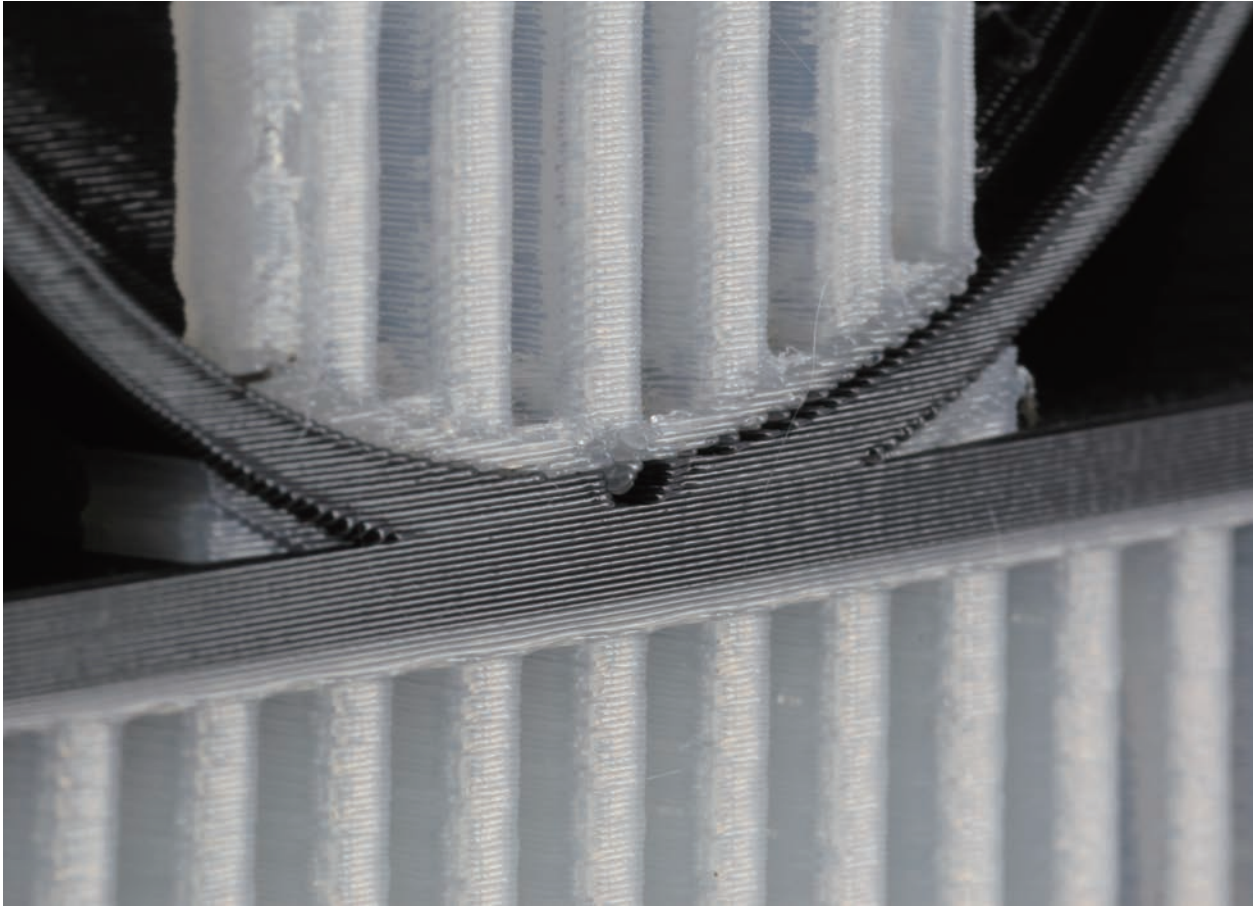




**Regular** A collection of commonly used colors.



Natural



**Material:** PolyDissolve™ S1

**Range:** Professional











# Specialty

The Specialty family includes a series of unique filaments from Polymaker that can unlock new 3D printing applications for a range of different industries. Due to their individual abilities these materials cannot be classified like other Polymaker materials as each one displays special characteristics or unique properties.





PolySmooth™



Safe and easy to post process



Good printability



Balanced mechanical properties



## Description

PolySmooth™ is a unique, easy-to-print filament designed for hands-free post processing with isopropyl alcohol or ethanol. The surface can be smoothed to remove all the layer lines leaving a smooth, glossy, homogenous surface. Figurines with small details or product prototypes that require an injection moulded finish can all benefit from Layer Free™ Technology.

## Printing Settings

Printing temp.: 190-220°C

Printing speed: 40-60mm/s

Bed temp.: 25-70°C

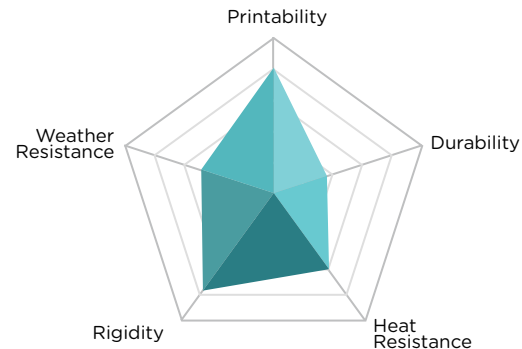
Chamber temp.: N/A

Fan: On

Drying settings: 50°C for 12h

Annealing: N/A

## Material Properties



PolySmooth™





**Regular** A collection of commonly used colors.



Black



White



Slate  
Grey



Coral  
Red



Pink



Electric  
Blue



Green



Polymaker  
Teal



Yellow



Orange



Beige

After Polishing



Before Polishing





**Translucent** A collection of colored semi-transparent colors.



Transparent



**Material:** PolySmooth™

**Range:** Professional

179





180

Range: Professional

Material: PolyWood™



PolyWood™



No risk of  
clogging



Clean matte  
finish



Light weight







## Description

PolyWood™ is a wood mimic filament containing no actual wood powder, which removes all risks of nozzle clogs. PolyWood™ is made entirely with PLA using Polymaker's Stabilized Foaming™ technology which reduces the density of the PLA by 30%. The printed models take on a unique matte surface finish which when printed at high resolution can completely mask the layers.

## Printing Settings

Printing temp.: 190-210°C

Printing speed: 30-50mm/s

Bed temp.: 25-60°C

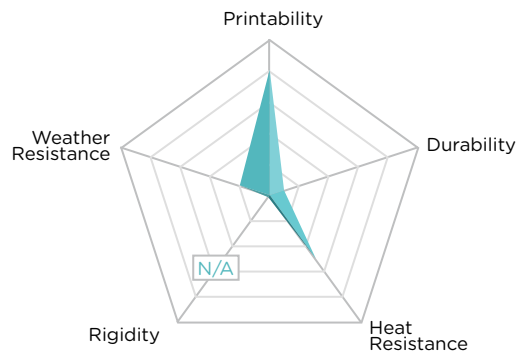
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



PolyWood™



**Regular** A collection of commonly used colors.



Wood



**Material:** PolyWood™

**Range:** Professional





PolyCast™



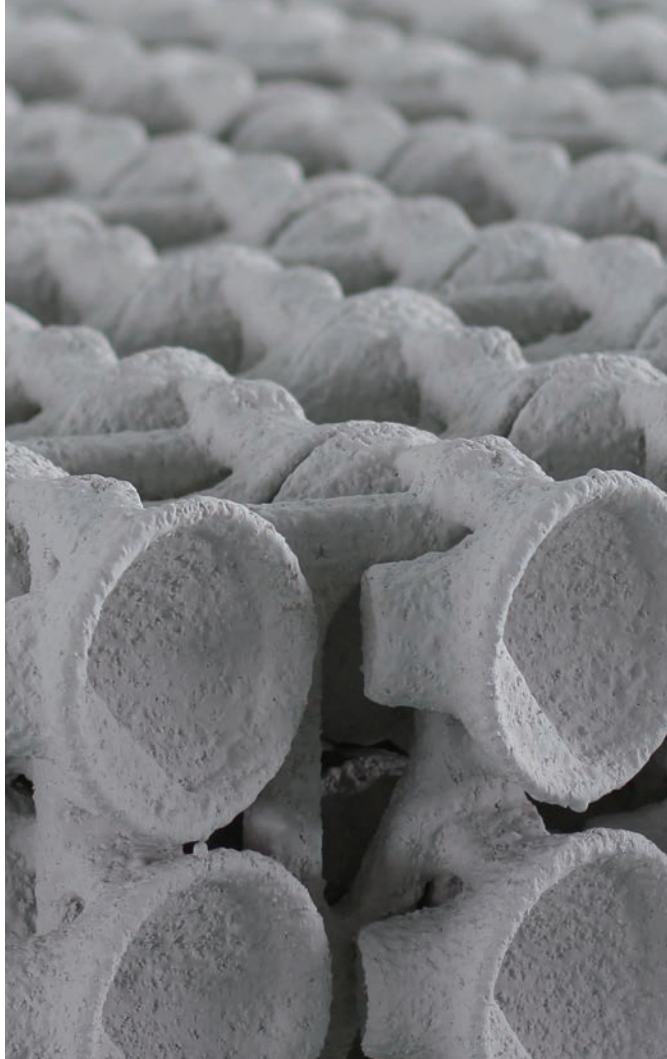
Safe and easy to post process



Good printability



Burn out cleanly



## Description

PolyCast™ is an easy to print filament designed specifically for investment casting applications. Featuring Ash Free™ Technology, 3D printed patterns in PolyCast™ can be completely vaporized when vitrifying the ceramic investment, typically leaving an ash residue of <0.003% by weight. PolyCast™ significantly cuts down both the cost and lead time by eliminating wax injection mould tooling process.

## Printing Settings

Printing temp.: 190-220°C

Printing speed: 40-60mm/s

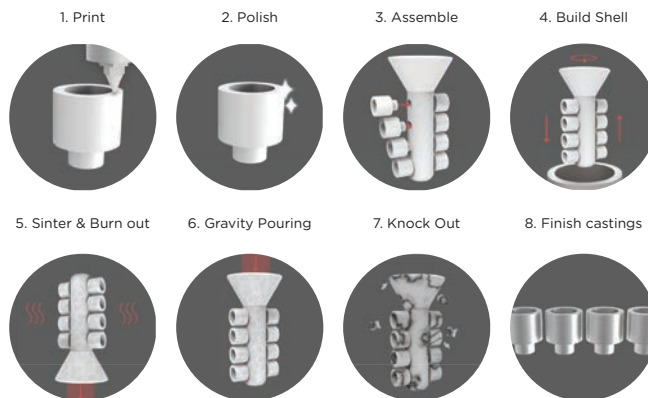
Bed temp.: 25-70°C

Chamber temp.: N/A

Fan: On

Drying settings: 50°C for 12h

Annealing: N/A





**Regular** A collection of commonly used colors.



Natural



**Material:** PolyCast™

**Range:** Professional





188

Range: Professional

Material: PolySupport™



PolySupport™



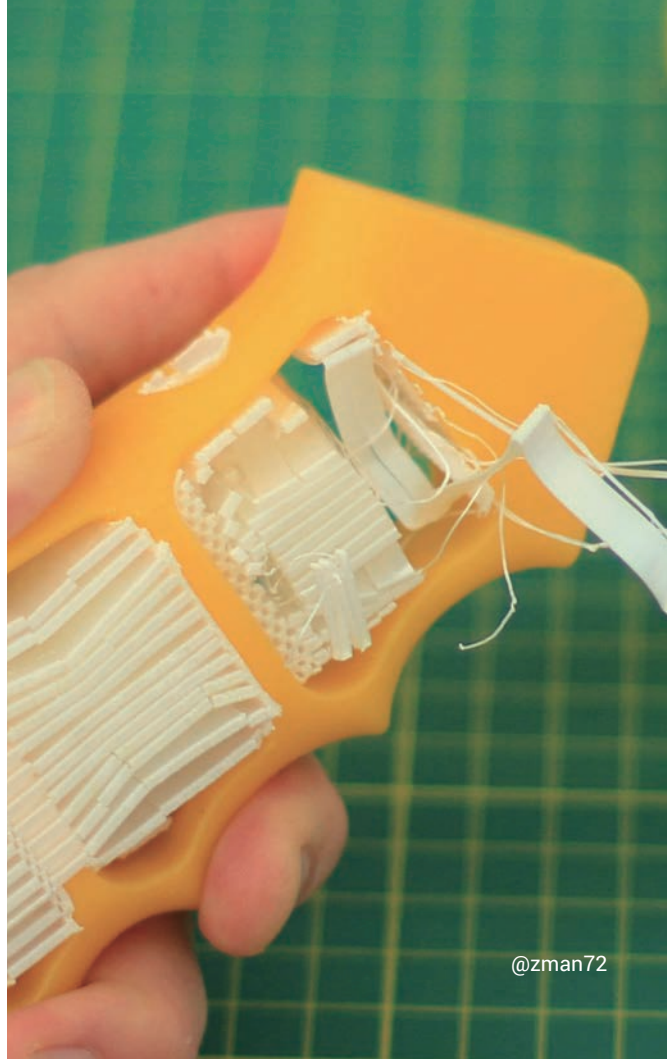
Easy to break  
away



Good printability



Perfect support  
interface with  
PLA



@zman72





## Description

PolySupport™ is a break away support for Polymaker PLA based filaments. It has a perfect interface with PLA, strong enough to support it while easily removable by hand, in 9 out of 10 support applications it's the quickest and easiest option. PolySupport™ is also compatible with TPU, PC and PVB based materials from the Polymaker portfolio.

## Printing Settings

Printing temp.: 220-230°C

Printing speed: 20-40mm/s

Bed temp.: 25-60°C

Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Compatibility

PLA based material ++

PETG based material -

ABS/ASA based material -

PC based material +

PVB based material +

TPU based material +

Short-chain Nylon based material --

Long-chain Nylon based material --

From Polymaker™ portfolio



**Regular** A collection of commonly used colors.



Pearl  
White



**Material:** PolySupport™

**Range:** Professional

191





## PolySupport™ for PA12



Easy to break  
away



Good printability



Perfect support  
interface with  
PA12 based  
material



## Description

PolySupport™ for PA12 is a break away support specifically engineered for PA12 based filaments. It has a perfect interface with long-chain nylons, strong enough to support it and easily removable by hand. PolySupport™ for PA12 prints at a similar temperature to PA12 and is compatible with open, enclosed and heated chambers. The filament is colored green so its easy to see and remove after printing.

## Printing Settings

Printing temp.: 270-300°C

Printing speed: 30-60mm/s

Bed temp.: 50-80°C

Chamber temp.: N/A

Fan: Off

Drying settings: 100°C for 8h

Annealing: N/A

## Compatibility

PLA based material NA

PETG based material NA

ABS/ASA based material NA

PC based material NA

PVB based material NA

TPU based material NA

Short-chain Nylon based material NA

Long-chain Nylon based material ++

From Polymaker™ portfolio





**Regular** A collection of commonly used colors.



Grass  
Green





# Polymaker™ PC-ABS



Excellent toughness and heat resistant



Good surface finish



Compatible with metal plating





## Description

Polymaker™ PC-ABS is a PC/ABS polymer blend which offers excellent toughness and heat resistance while displaying a good surface finish and good compatibility with metal electroplating. Polymaker™ PC-ABS characteristics make it ideal for automotive interior parts such as dashboard, door handles or instrument panels.

## Printing Settings

Printing temp.: 250-270°C

Printing speed: 30-50mm/s

Bed temp.: 90-105°C

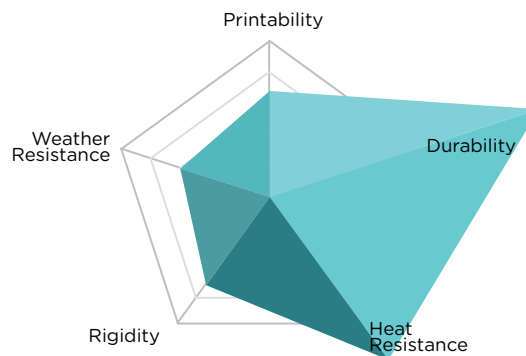
Chamber temp.: 90-100°C

Fan: Off

Drying settings: 75°C for 6h

Annealing: 90°C for 2h

## Material Properties



Polymaker™ PC-ABS





**Regular** A collection of commonly used colors.



Black



White



**Material:** Polymaker™ PC-ABS **Range:** Industrial





Range: Industrial

Material: Polymaker™ PC-PBT



Polymaker™ PC-PBT



Good mechanical and thermal properties



Good toughness at low temperature



Good chemical resistance





## Description

Polymaker™ PC-PBT is a PC/PBT polymer blend which offers good heat resistance, however, its key feature is toughness at low temperatures (-30°C) where other plastics would become brittle. PC-PBT also features good chemical resistance and its characteristics make it ideal for automotive exterior parts such as bumpers, roof rail brackets or door handles.

## Printing Settings

Printing temp.: 260-280°C

Printing speed: 30-50mm/s

Bed temp.: 100-115°C

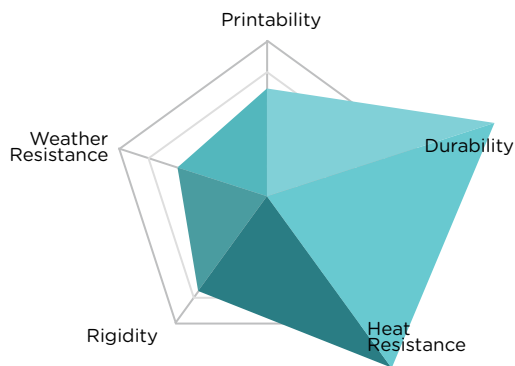
Chamber temp.: 100-110°C

Fan: Off

Drying settings: 75°C for 6h

Annealing: 90°C for 2h

## Material Properties



Polymaker™ PC-PBT



**Regular** A collection of commonly used colors.



Black



Natural



**Material:** Polymaker™ PC-PBT **Range:** Industrial







204

Range: Professional

Material: Polymaker™ Draft PLA



## Polymaker™ Draft PLA



Bulk pack



Good printability



Matte surface





## Description

Draft PLA is your go-to recycled PLA bulk pack featuring 10 spools of high-quality filament, offering unbeatable value for money. Perfect for daily use, this filament allows easy drafting of prototypes and rapid iteration of designs for form and function. Unlock the power of seamless prototyping with Draft PLA, making your creative process smoother than ever before.

## Printing Settings

Printing temp.: 190-230°C

Printing speed: 40-60mm/s

Bed temp.: 25-60°C

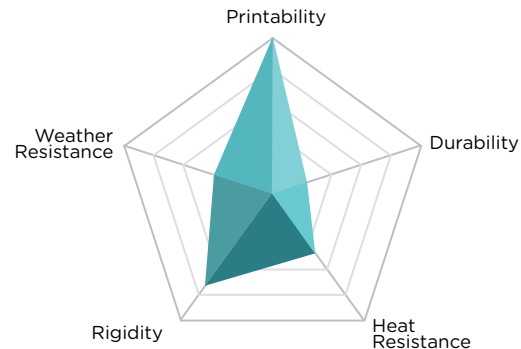
Chamber temp.: N/A

Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

## Material Properties



Polymaker™ Draft PLA





**Regular** A collection of commonly used colors.



Black







# Hardware

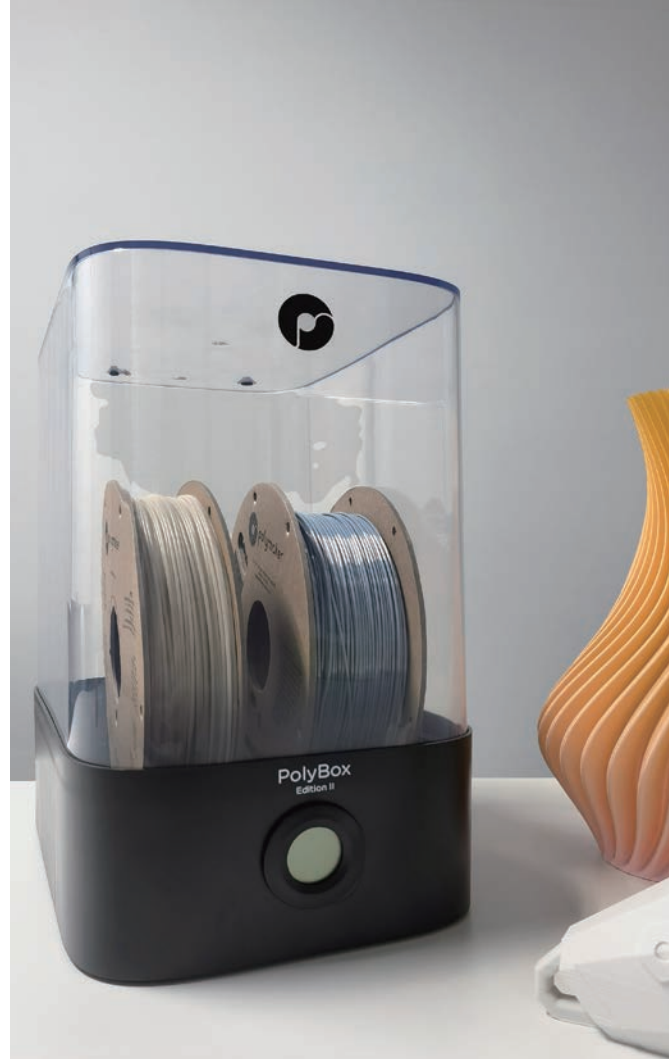
Polymaker Hardware family offers 3D printing accessories designed to optimize the user experience with both their 3D printers and their filaments.





# PolyBox™

PolyBox™ is a dry storage box designed to provide the optimum environment for 3D printing filaments. The PolyBox™ is compatible with all 3D printers and can house two 1kg spools or one 3kg spool. Featuring 8 ball bearings and a thermo-hygrometer you can print, monitor and store your filaments simultaneously.





## Polysher™

The Polysher™ is a desktop post processing unit designed to remove layer lines from PolySmooth™ and PolyCast™ 3d printed parts. The Polysher™ uses Polymaker's Layer-Free™ technology to create a fine mist of alcohol which evenly smooths the model leaving a smooth and glossy surface.





## **New Packaging**



### **The replacement of the Cardboard Spool**

#### **Green source:**

The cardboard used to create the spool and packaging comes from 100% recycled sources and is recyclable after use in generic paper recycling.



### Outer design:

The new cardboard spool features a thick, around 3mm pressed and die-cut cardboard spool face, glued onto a strip rolled section of the cardboard tube. The thickness of the cardboard ensures the filament is well protected and the spool can roll very efficiently on all designs of spool holders both internally and externally mounted.

### The addition of QR code:

The new spool features a QR code that takes customers to the product information sheet on [www.polymaker.com](http://www.polymaker.com) alongside printing profiles, TDS, SDS, and all other documentation relevant to the filament. The paper product information sheet will no longer be shipped inside the packaging further reducing waste.





Spool Weight: **190g±10g**

Diam:  $\Phi 96.0 \pm 1.5 \text{mm}$       Diam:  $\Phi 55.0 \pm 1.5 \text{mm}$



200.0±1.5mm



Spool Weight: **125g±10g**

Diam:  $\Phi 96.0 \pm 1.5 \text{mm}$       Diam:  $\Phi 55.0 \pm 1.5 \text{mm}$



200.0±1.5mm



65.6±1.5mm

60.0±2.0mm



223.0±1.5mm

209.0±1.5mm

75.0±1.5mm



45.0±1.5mm

50.0±2.0mm



223.0±1.5mm

209.0±1.5mm

89.0±1.5mm

500g

600g





Spool Weight: **125g±10g**

Diam:  $\Phi 96.0 \pm 1.5$ mm      Diam:  $\Phi 55.0 \pm 1.5$ mm



200.0±1.5mm



Spool Weight: **140±10g**

Diam:  $\Phi 96.0 \pm 1.5$ mm      Diam:  $\Phi 55.0 \pm 1.5$ mm



200.0±1.5mm

45.0±1.5mm



50.0±2.0mm



750g

60.0±1.5mm



65.6±2.0mm

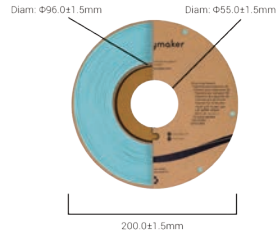


800g

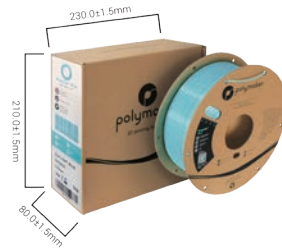
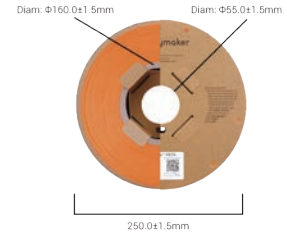




Spool Weight: 140±10g



Spool Weight: 370g±22g



1kg

2kg





Spool Weight: 440g±22g

Diam:  $\Phi 115.0 \pm 1.5$ mm      Diam:  $\Phi 55.0 \pm 1.5$ mm

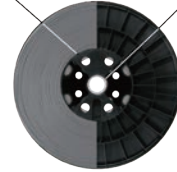


250.0±1.5mm



Spool Weight: 440g±22g

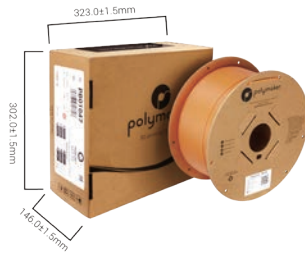
Diam:  $\Phi 130.0 \pm 1.5$ mm      Diam:  $\Phi 16.0 \pm 1.5$ mm



300.0±1.5mm



117.2±2.0mm



3kg



160.0±2.0mm



5kg



# Polymaker Offices

Shanghai, China



Changshu, China



Houten, The Netherlands



Houston, USA



## **Mission**

Polymaker is committed to simplifying creation by developing empowering 3D printing & material technologies for industries and consumers.



# Contact Us

For any inquiries please contact:

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