

Technical data sheet PLA

Filament: **PLA**.

Brand name: **Filalab** www.filalab.lt

Usage: **3D filament for FDM 3D printers.**

Manufacturer: **UAB Filalab, Vilnius, Lithuania.**

Printing recommendations:

Bed temperature: **60°C ± 10°C**

Extruder temperature: **200°C ± 10°C**

Diameter tolerance: **1.75 mm ± 0.03 mm**

Print speed: **100 - 200 mm/s**

Fan speed: **100 %**



Material Properties

Physical properties:

Physical properties	Value	Method
Melt flow rate (190 °C/2.16 kg)	2.0 - 4.0 [g/10 min]	ISO 1133
Melting temperature	155 - 165 °C	ISO 1133
Density	1.25 [g/cm ³]	ISO 1183

Mechanical properties:

Physical properties	Value	Method
Modulus of elasticity	3,000 MPa	ISO 527
Tensile strength	55 MPa	ISO 527
Tensile stress at break	20.9 MPa	ISO 527
Flexural modulus	3,075 [MPa]	ISO 178
Impact Strength (Charpy), RT	64.5 [kJ/m ²]	ISO 179-1/1 eU

Note:

These results should be regarded as guide values only.

Values depend on print settings, print atmosphere conditions.