



PLA Filament

Description

No heated bed required
Maximized bond strength between layers
High toughness
Long nozzle life

Application

Perfect smooth surfaces needed applications
Easy prototyping

Processing Guide

Nozzle Temperature (°C)	190-230
Heated bed temperature (°C)	60 (optional)
Adhesive on build plate	Not Required
Printing environment	Room Temperature

Diameters and Tolerances

Dia. 1.75 mm	±0.04 mm
Dia. 2.85 mm	±0.05 mm

Physical Properties

Density (g/cm ³)	1.24
Melt Flow Rate (g/10min)	(test cond.- 210°C/2.16kg) 6

Mechanical Properties

Tensile Strength-Yield (MPa)	60
Tensile Elongation (%)	6
Flexural Strength (MPa)	83
Rockwell Hardness (R-scale)	108

Thermal Properties

Heat Deflection Temperature (°C)	55
Flammability	HB
