



HDPE Filament

Description

No heated bed required
High density-strength ratio
High corrosion and toxicity resistance
Flexible

Application

In applications requiring high strength-density
Corrosion resistance / waterproofing applications
Prototyping

Processing Guide

Nozzle Temperature (°C)	185-220
Heated bed temperature (°C)	65-100
Adhesive on build plate	Required or PE plate (optional)
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)	0,964
Melt Flow Rate (g/10min)	(test cond. 190°C/2.16kg) 8

Mechanical Properties

Tensile Strength-Yield (MPa)	29
Tensile Elongation-Break (%)	800
Flexural Modulus (MPa)	2% secant 1050
Shore Hardness (D-scale)	66

Thermal Properties

Vicat Softening Temperature (°C)	131
Flammability	HB
