



TPU Filament

Description

Requires heated bed
Excellent vibration damping
Excellent fatigue resistance and impact resistance
Flexible and soft

Application

In vibration damping and shock absorption application
In impact and movement resistance applications
In applications where flexibility is required

Processing Guide

Nozzle Temperature (°C)	230-240
Heated bed temperature (°C)	60-70
Adhesive on build plate	Required (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 (MPa)	50
Elongation at Break (%)	650
Abrasion Resistance (mm ³)	40
Shore Hardness (A-scale)	90
