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Technical Data Sheet – PETG

General Information

PrintBed PETG has excellent mechanical characteristics including high impact strength, glass like transparency, and is resistant to cracking/fracturing. Additionally, it well-suited for many different printers and applications.

Mechanical Properties	
Property	PETG
Tensile Strength at Break, psi (MPa)	4060 (28.0)
Tensile Yield Strength psi (MPa)	7250 (50.0)
Tensile Elongation, %	130
Notched Izod Impact, ft-lb/in (J/m)	1.9 (101)
Flexural Strength, psi (MPa)	9860 (67.0)
Flexural Modulus, psi (MPa)	290000 (2000)
Heat Distortion Temperature, °F (°C)	158 (70)
Density, lb/ft^3 (g/cc)	79.2 (1.27)

Typical properties for injection molded amorphous bars, layer adhesion and geometry will affect these values.

Print Settings	
Suggested Print Temperature, °C	225-255
Suggested Bed Temperature, °C	70-90
Suggested Print Speed, mm/s	30-80
Extrusion Width, mm	0.45

Typical settings for printers using a heated bed and a 0.4mm nozzle.