

TECHNICAL DATA SHEET

PETG CF FILAMENT

PETG CF is the most commonly used filament. It is high strength clear thermoplastic material with excellent chemical and thermal resistance due to unique chemical structural property. It's low warping or shrinkage property comparing with ABS and high impact material than other material, Due to its unique property most preferred choice of all makers.

Application: - mechanical parts, printer functional part, prototypes, functional models, engineering part and engineering prototypes, robotics parts, robotics functional parts etc.
Post processing: - Average (wet and dry sanding)

TYPICAL PETG MATERIAL PROPERTIES

Physical properties	Method	Typical value
Intrinsic Viscosity		0.69 +/-0.02 dl/g
Specific Gravity ASTM D792		1.27
Mechanical properties	method	Typical value
Tensile Strength	ASTM D638	52
Flexural strength	ASTM D790	78MPa
Hardness, Rockwell	ASTM D785	110R scale
Heat deflection temp	ASTM D648	70°C

Disclaimer

The results in the data sheet are just for your information and comparison values are significantly dependent on print or printer settings, operating experiences and surrounding conditions or weather. Everyone has to consider suitability and possible consequences of printed parts usage. Tesseract cannot carry any responsibility for any change of data during outside testing or injures or any loss caused by using of Tesseract material.