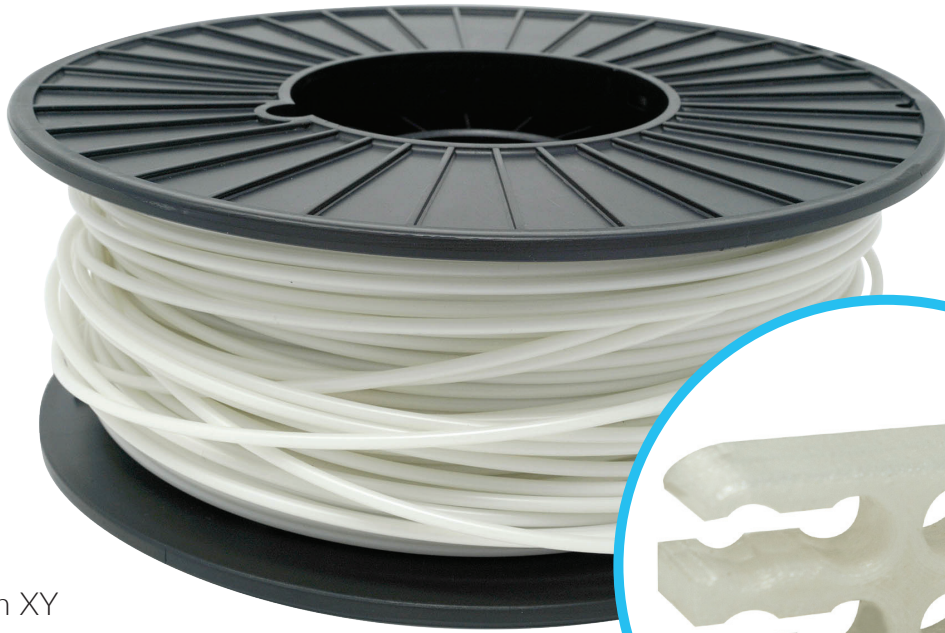


PETg

Overview

Jabil Engineered Materials PETg is an easy processing, standard product for printing jobs requiring good strength and stiffness with a good balance of properties in XY and XYZ directions. PETg has good strength and stiffness with an operating temperature range of -40 °C to °80 C.



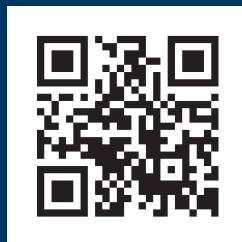
Applications:

- Jigs, fixtures, and tooling
- Housings
- Cosmetics
- Brackets • Seals

Advantages:

- Easy Printability
- Low shrinkage and warpage
- Good continuous use temperature
- Excellent chemical resistance
- Good stiffness and strength
- Very consistent lot to lot print properties with a ISO 9001 Certificate of Analysis with every spool

Scan for more information:



PETg



Print Temperature

The optimal printing range is 240°C to 250°C.



Bed Temperature

Up to 85°C.



Printing Speed

Base printing speed of 60 mm/s
Infill speed of 40 mm/s
Wall speed of 40 mm/s
Initial layer speed of 18 mm/s.



Cooling

For stronger parts, turn off the fan.
For better feature detail, increase the fan speed, up to 100%.



Bed Adhesion

PETg sticks well to PVA based glue.



Colors Available

Natural



Diameters Available

1.75mm & 2.85mm

Scan to get
print profiles:



Mechanical Properties

	Test Condition	Typical Value	Method
Tensile Modulus (psi)	X coupons, Ambient	240	ASTM D638
Tensile Yield Strength (psi)		6500	
Tensile Elongation at Break (%)		24	
Ultimate Tensile Strength (psi)		6500	
Flexural Modulus (ksi)	Ambient	230	ASTM D790-17, Procedure B
Flexural Strength (psi)		1000	

Thermal Properties

	Test Condition	Typical Value	Method
Deflection Temperature (°C)	0.45 Mpa	70	ASTM D648-16, Method B

Other Physical Properties

	Test Condition	Typical Value	Method
Density (g/cm3)	Ambient	1,24h	ASTM D792-13, Method A