

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. Applications include housings, jigs, fixtures and tooling and general printing. This material has a print profile available on Ultimaker Cura Marketplace and produces excellent surface quality parts that can be printed at max speeds with minimal shrinkage.

Advantages

Easy Printability, low shrinkage and warpage, good continuous use temperature and very consistent lot to lot print properties with a ISO 9001 Certificate of Analysis with every spool.

Properties

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