Jabil PETg Additive Filament

Technical Data Sheet

Product Description

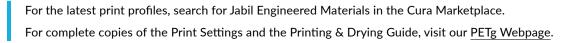
Jabil Engineered Materials PETg is an easy processing, standard product for printing jobs requiring good strength and stiffness with a good balance of properties in XY and Z directions. Applications include housings; jigs, fixtures and tooling; and general printing. This material has a print profile 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.



PETg is a hygroscopic material, meaning it will absorb moisture from the atmosphere, affecting visual quality and mechanical properties. For best results, print and store filament in a dry environment. If necessary, dry filament in an oven at 65 °C (150 °F) for 6-12 hours.





Mechanical Properties					
	Test Condition	Typical Value	Method		
Tensile Modulus (MPa)	XY coupons, Ambient	1655	ASTM D638		
Tensile Yield Strength (MPa)		45			
Tensile Elongation at Break (%)		24			
Ultimate Tensile Strength (MPa)		45			
Flexural Modulus (MPa)	Ambient	1585	ASTM D790-17, Procedure B		
Flexural Strength (MPa)		1160			

Thermal Properties					
	Test Condition	Typical Value	Method		
Heat Deflection Temperature (°C)	0.455 Mpa	71	ASTM D648-16, Method B		

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



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Disclaimer: The information in this technical data sheet, including material properties, are obtained from testing representative samples under carefully controlled conditions and are provided for reference only. Material properties may be impacted by storage, handling, processing equipment/parameters, and product design, among other factors. The information is not a substitute for user testing to determine fitness for any specific use and the user is responsible for ensuring safe and lawful use of the product.

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