

Technical Datasheet PETG

General information

Trade name	Octofiber PETG Filament
Polymer name	poly(ethylene tereftalate)glycol

Filament specifications

Trade diameter	1.75mm		3mm	
Physical diameter	1.75	mm	2.85	mm
Tolerance	0.05	mm	0.10	mm

Material specifications

Property	Value	Unit	Test Method
<i>Physical</i>			
density	1.27	g/cm ³	ASTM D1505
melt mass flow rate (MFR)	8	g/10min	ASTM D1238
<i>Mechanical</i>			
tensile strength @ yield	50	MPa	ASTM D638
tensile modulus	2140	MPa	ASTM D790
elongation @ break	120	%	ASTM D638
impact strength Izod Notched 23 °C	85	J/m	
<i>Thermal</i>			
melting point	135	°C	ASTM D1003
heat deflection temperature	70	°C	ASTM D648

Notes

- the above values are measured on uncolored raw material. Actual material properties may differ depending on color additives.
- properties may change depending on actual printer settings

