

Technical Data Sheet

Mechanical properties	Typical Value	Test Method	Test Condition
Tensile strength at yield	50 MPa	ISO 527	50 mm/min
Tensile strength at break	28 MPa	ISO 527	50 mm/min
Elongation at break	100 %	ISO 527	50 mm/min
Tensile modulus	2100 MPa	ISO 527	50 mm/min
Flexural strength	68 MPa	ISO 178	
Flexural modulus	2000 MPa	ISO 178	
Hardness	80 Shore D	ISO 7619	
Charpy impact strength	-	ISO 179	

- 100% recycled PETG from medical production
- High quality material
- Optional custom color production
- Temperature resistance up to 80 °C

Thermal properties	Typical Value	Test Method	Test Condition
Melting temperature	220 °C	ISO 11357	
Glass transition temperature	80 °C	ISO 11357	
Melt flow index	-	ISO 1133	220 °C, 10 kg
Vicat softening temperature	85 °C	ISO 306	
Flame classification	-	UL 94	
Temperature resistance	80 °C		

Hardness



Impact resistance



Flexibility



Ease of printing



Weather resistance



Wear and abrasion resistance



Chemical properties	Typical Value
Polymer base	Recycled polyethylene terephthalate glycol
Good chemical resistance	Water, acids, bases, alcohols
Low chemical resistance	Acetone, oils, greases, car fluid

Other properties	Typical Value	Test Method	Test Condition
Material density	1.27 g/cm ³	ISO 1183	
UV stability	No		
Electrical volume resistivity	10 ¹⁶ Ω·cm		
Food contact	No		
Biodegradability	No		
Light transmittance	Yes, some shades		

Workability of 3D printing filament is at least 12 months from delivery.
This material can be used to produce electrical and electronic equipment.
It doesn't contain restricted substances.
The information was processed with the best knowledge of the manufacturer,
and it is for information only.

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