



Technical Data Sheet

Polyethylene terephthalate glycol (PETG) Carbon Nanotube Matrix (CNT) EMI/RFI Shielding Conductive Grade Filament

Physical Properties	Standard	Unit	Value
Density	ASTM D1505	g/cm ³	1.30
Mechanical Properties	Standard	Unit	Value
Tensile modulus	ASTM D638-14	MPa	2460
Tensile elongation	ASTM D638-14	%	17
Tensile strength	ASTM D638-14	MPa	72.6
Zero-shear viscosity	ASTM D4440-15	Pa.s	15179000
Thermal Properties	Standard	Unit	Value
Glass transition temperature (Tg)	DSC	°C	82
Shrinking	ASTM D6289-13	%	0.1
Electrical Properties	Standard	Unit	Value
Electrical resistivity	ASTM D257	Ω.cm	1.4×10 ²

Print Settings	Unit	Value
Nozzle temperature	°C	250-270
Heated bed temperature	°C	50-70
Print speed	mm/s	30-70
Extrusion width	mm	0.45
Volume flow rate	mm ³ /s	2-3

Disclaimer

The technical data contained on this data sheet is furnished without charge or obligation and accepted at the recipient's sole risk. This data should not be used to establish specifications limits or used alone as the basis of design. The data provided is not intended to substitute any testing that may be required to determine fitness for any specific use.