

TRADE NAME:	Fiberlogy ESD PET-G
MANUFACTURER:	Fiberlab S.A., Brzezcie 387, 32-014 Brzezcie, Poland
DESCRIPTION:	ESD PET-G filament designed for printing in FFF/FDM technology, available in a black color, wound on a spool, vacuum-packed in a plastic bag, placed in a cardboard box.

TECHNICAL INFORMATION:

Diameter:	1.75 mm
Diameter Tolerance:	+/- 0.02 mm
Avg Roundness:	+ 0.01 mm
Net Weight:	0.5 kg
Print Temperature:	230°C - 250°C
Bed Temperature:	85°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ISO 1183	g/cm ³	1.3
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ISO 527	MPa	48
Tensile Strength @ Break	ISO 527	MPa	50
Tensile Modulus	ISO 527	MPa	2400
Elongation @ Yield	ISO 527	%	-
Elongation @ Break	ISO 527	%	5
Flexural Strength	ISO 178	MPa	70
Flexural Modulus	ISO 178	MPa	2600
Izod Impact Strength (Notched) @ 23°C	ISO 180	kJ/m ²	3
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ISO 75	°C	75
Glass Transition Temperature Tg	DSC	°C	85
Electrical Properties	Test Method	Unit	Typical Value
Surface Resistivity	ASTM D 257 1991	Ω/cm ²	10 ⁵ - 10 ⁸
Volume Resistivity	IEC 60093	Ω*cm	10 ⁵ - 10 ⁷

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