

TRADE NAME:	Fiberlogy ESD ABS
MANUFACTURER:	Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
DESCRIPTION:	ESD ABS 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:	250°C - 265°C
Bed Temperature:	90°C - 110°C



Physical Properties	Test Method	Unit	Typical Value
Specific Gravity	ISO 1183	g/cm ³	1.05
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ISO 527	MPa	55
Tensile Strength @ Break	ISO 527	MPa	55
Tensile Modulus	ISO 527	MPa	2100
Elongation @ Yield	ISO 527	%	-
Elongation @ Break	ISO 527	%	5
Flexural Strength	ISO 178	MPa	81
Flexural Modulus	ISO 178	MPa	2300
Izod Impact Strength (Notched) @ 23°C	ISO 180	kJ/m ²	5
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ISO 75	°C	95
Glass Transition Temperature T _g	DSC	°C	105
Electrical Properties	Test Method	Unit	Typical Value
Surface Resistivity	ASTM D 257 1991	Ω	3,8x10 ⁷ - 8,1x10 ⁷
Volume Resistivity	IEC 60093	Ω*cm	4,1x10 ⁷

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