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| 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:

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| 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 Density | 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 Tg | 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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