

BRAND: Fiberlogy
NAME: **Fiberlogy CPE HT**
MANUFACTURER: Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
DESCRIPTION: **CPE HT** filament designed for printing in FFF/FDM technology, available in different colors, wound on a spool, vacuum-packed in plastic, placed in a cardboard box.

TECHNICAL INFORMATION:

Diameter: 1.75 mm
 Diameter Tolerance: +/- 0.02 mm
 Avg Roundness: + 0.01 mm
 Net Weight: 0.75 kg
 Print Temperature: 260°C - 280°C
 Bed Temperature: 110°C - 120°C

MATERIAL PROPERTIES:

Physical Properties	Test Method	Unit	Typical Value
Specific Gravity	ISO 1183	g/cm ³	1.18
Transmittance	D 1003	%	90
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ISO 527	MPa	44
Tensile Strength @ Break	ISO 527	MPa	52
Elongation @ Yield	ISO 527	%	7
Elongation @ Break	ISO 527	%	200
Flexural Strength	ISO 178	MPa	62
Flexural Modulus	ISO 178	MPa	1550
Izod Impact Strength (Notched) @ 23°C	ISO 180	kJ/m ²	92
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ISO 75-2/B	°C	99
Heat Distortion Temperature @ 1.8 MPa	ISO 75-2/A	°C	85
Glass Transition Temperature Tg	DCS	°C	110

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