NAME: Fiberlogy EASY ABS

MANUFACTURER: Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland

DESCRIPTION: **EASY ABS** filament designed for printing in FFF/FDM technology, available in different colors, 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:	0.75 kg
Print Temperature:	235°C - 255°C
Bed Temperature:	90°C - 110°C

Physical Properties	Test Method	Unit	Typical Value
Specific Density	ISO 1183	g/cm^3	1.09
Mechanical Properties	**Test Method**	**Unit**	**Typical Value**
Tensile Strength @ Yield	ISO 527	MPa	47
Tensile Strength @ Break	ISO 527	MPa	45
Tensile Modulus	ISO 527	MPa	2000
Elongation @ Yield	ISO 527	%	5
Elongation @ Break	ISO 527	%	30
Flexural Strength	ISO 178	MPa	70
Flexural Modulus	ISO 178	MPa	2050
Izod Impact Strength (Notched) @ 23°C	ISO 180	kJ/m^2	15
Thermal Properties	**Test Method**	**Unit**	**Typical Value**
Heat Distortion Temperature @ 0.45 MPa	ISO 75	°C	90
Heat Distortion Temperature @ 1.8 MPa	ISO 75	°C	81
Vicat Softening Temperature	ISO 306	°C	92
Glass Transition Temperature Tg	DSC	°C	105
Melting Temperature Tm	DSC	°C	-
Continuous Use Temperature (UL Yellow Card)	UL 746	°C	50

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