

TRADE NAME:	Fiberlogy MattFlex 40D
MANUFACTURER:	Fiberlab S.A., Brzezie 387, 32-014 Brzezie, Poland
DESCRIPTION:	MattFlex 40D 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:	+/- 0.05 mm
Avg Roundness:	+ 0.03 mm
Net Weight:	0.85 kg
Print Temperature:	210°C - 230°C
Bed Temperature:	50°C - 70°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ASMT D792	g/cm ³	1.16
Hardness	Test Method	Unit	Typical Value
Shore A	ASTM D2240	-	91
Shore D	ASTM D2240	-	40
Shore D 15s	ASTM D2240	-	37
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength:			
@ Break	ASTM D638	MPa	30
@ 5% Strain	ASTM D638	MPa	3
@ 10% Strain	ASTM D638	MPa	5
Elongation at break	ASTM D638	%	600
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ASTM D648	°C	70
Melting Temperature Tm	ASTM D3418	°C	160

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