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

Last update: June 4, 2025