ACRYLIC · Technical Data Sheet

General Features

Rono	fite
Delle	1113

- Very low coefficient of friction
- · Very hard and not very flexible, ideal for

Poly Methyl Methacrylate

- those pieces that require a lot of rigidity
- Exceptional ability to print bridges
- A semi-transparent material

Applications

Lamp housings and covers, threads, gears, very rigid parts.

Filament Characteristics

Chemical Name

Diameter	Ø 1.75mm	Ø 2.85mm
Meters per spool	251m	98.94m
Weight per meter	2.98g	7.58g
Tolerance	±0.02mm	±0.03mm

Material Properties

		ISO Test Method	Test Condition	CM-207
Melt flow index	ml/10 min	1133	230°C x 3.8KG	8.5
Mass Density	g/cm3	1183	23°C	1.19
Tensile Strength	MPa	527	50mm/min, yeld	67
Tensile Elongation	%	527	50mm/min	8
Flexural Strength	MPa	178	2mm/min	97
Flexural Modulus	GPa	178	2mm/min	2.7
Izod Impact Strength	KJ/m2	180/1A	23 °C Notched	2
	KJ/m2		-30 °C Notched	N/N
Charpy Impact Strength	KJ/m2	179	23 °C Notched	2
	KJ/m2		-30 °C Notched	N/N
Vicat Softening Temp.	°C	306	1 Kg.50°C/hr	107
	°C		5 Kg.50°C/hr	99
Heat Distortion Temp.	°C	75/A	1.8 MPa Unannealed	89
	°C		1.8 MPa Annealed	100

Recommended printer settings

Print temperature	210±10°C
Print bed temperature	60° First/ Later
Cooling fans	Off / Very low
Closed environment	Not Required
Use adhesive	

Available Colours

Colour	Pantone Code
Natural	

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