

FLEX 98 · Technical Data Sheet

General Features

Chemical Name Polyurethane	Benefits <ul style="list-style-type: none"> • Make soft objects • High abrasive resistance • Very strong, hard-to-break objects 	Main Applications Ideal for grips, toys, non-scratching and cushioned supports, objects that requires flexibility, dampers, belts, anti slip devices, tires, flex cases
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Filament Characteristics

Diameter	Ø 1.75mm	Ø 2.85mm
Meters per spool	264.248m	99.632m
Weight per meter	2.84g	7.53g
Tolerance	±0.02mm	±0.03mm

Material Properties

		Typical value	ASTM Method
Tensile Strength psi	MPa	8400 (57,9)	D412
Tensile Elongation 100%, psi	MPa	2800 (19,3)	D412
Tensile Elongation 300%, psi	MPa	6100 (42,1)	-
Ultimate Elongation	%	420	-
Density	g/cm ³	1.16	D792
Hardness	-	55 (±3)	D2240

Recommended printer settings

Print temperature	225±5°C
Print bed temperature	70°C First/Later
Cooling fans	Low/Off
Closed environment	Not required
Adhesive	Required

Available Colours

Colour	Pantone Code
Black	6C
Blue	2935 C
Gray	8402 C
Red	485 C
White	11-4001

Disclaimer:

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