



PRIMALLOY™ Filament

- High performance thermoplastic polyester elastomer (TPE) for material extrusion (ME)
- Highly flexible
- Resistant to oil, grease, abrasion and solvents
- Good shape retention
- Main applications: Flexible items such as brackets, insoles for shoes, hoses, bracelets, insulation, balls, wheels etc.
- Made in Japan



Product Specifications

Test Method

Diameter accuracy	± 0.05 mm	
Material net weight	500 g	
Filament Length	1.75mm - 190m 2.85mm - 71 m	
Melt Flow Rate (230 °C, 21.2N)	45g/10min	ISO1133
Density	1.09 g/cm ³	ISO1183
Durometer hardness	Shore A85	ISO7619
Tensile strength	14 MPa	ISO37 (break)
Tensile elongation	900%	ISO37

Recommended printer set up

Extrusion temperature	210-240 °C
Bed temperature	60 °C
Printing speed	20mm/s



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Colour	Part Number		PANTONE® ref.*	Diameter	Weight
Natural White	55500		N/A	1.75 mm	500 g
Black	55506		Black Process	1.75 mm	500 g
Natural White	55501		N/A	2.85 mm	500 g
Black	55507		Black Process	2.85 mm	500 g

* Closest PANTONE® colour reference

Verbatim filament is manufactured from high quality materials to extremely rigid standards. The filaments are manufactured from the highest quality materials and produced to extremely tight tolerances to ensure consistent feed and stable printing. The filaments are distributed in vacuum-sealed bags with desiccant, and wound onto a custom spool that has been designed for strength, uniform dynamic performance and trouble-free dispensing.

