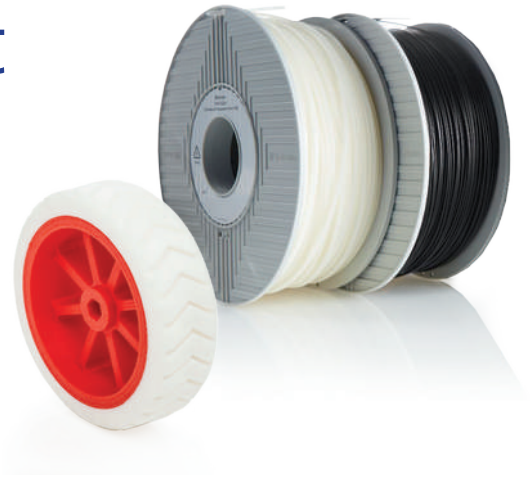
3D

Tefabloc TPE Filament



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

Filament Specifications

Size	Ø tolerance	Length
1.75mm	± 0.05mm	190 m
2.85mm	± 0.05mm	71 m

Material properties

Description	Test method	Typical value
Density	ISO 1183	1.09 g/cm^3
Melt flow rate (230°C, 21.2N)	ISO 1133	45 g/10min
Melt temperature		175 - 195°C
Tensile strength	ISO 37	14 Mpa
Tensile elongation	ISO 37	990 %
Durometer hardness	ISO 7619	Shore A85

Recommended printer set up

Extrusion temperature	230±10°C
Bed temperature	60°C
Printing speed	20 mm/s

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Filaments Available

Colour	Part Number		PANTONE® ref.*	Diameter	Weight
White	55510		White Process	1.75 mm	500 g
Black	55511		Black Process	1.75 mm	500 g
White	55512		White Process	2.85 mm	500 g
Black	55513		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.

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