

3D Filament, Flexible, PRIMALLOY™ 1.75mm 500g Reel – White (55500)

Reorder Number 55500

Pack Size 1 ea

Developed using Mitsubishi Chemical proprietary materials, Verbatim's PRIMALLOY™ Flexible 3D Filament is a high performance, polyester based thermoplastic elastomer which consists of a mixture of crystalline aromatic polyester block (mainly PBT) and an uncrystalline polyether block (mainly poly-tetramethylene-ether-glycol). This mixture gives objects printed with PRIMALLOY unique flexibility without sacrificing durability. Objects printed with PRIMALLOY filament feature good mechanical strength, oil resistance, chemical resistance and flex-fatigue resistance. PRIMALLOY also offers excellent heat resistance as well as hardness stability within a wide temperature range.



With a diameter tolerance of 0.05mm, Verbatim PRIMALLOY 3D Filaments ensure consistent feeding and stable prints, every time. All Verbatim 3D Filaments feature a custom spool designed for strength and balance for uniform feeding. Filaments are packaged in a vacuum-sealed bag, including desiccant, to promote longevity and prevent the introduction of moisture. Verbatim PRIMALLOY Flexible 3D Printing Filaments are backed by a 1-year limited warranty.

- Pliable rubber material with outstanding heat, oil and abrasion resistance as well as superior mechanical strength.
- Developed using proprietary materials from Mitsubishi Chemical
- High performance polyester based thermoplastic elastomer (TPE).
- Custom spool designed for strength, uniform performance and trouble-free feeding
- Filaments packaged in vacuum-sealed bag, with desiccant to prevent introduction of dust and moisture.
- 1-Year Limited Warranty

Usage:

- For best performance, use Polyimide Tape (Kapton™ Tape) with a heated build platform (40° - 50° C)
- To prevent layer drooping, apply forced air cooling on object as it builds.
- To prevent feed jams, utilize slow print speeds (≤ 30 mm/s) and turn off retraction. Avoid excessive pressure in the pinch feeder.
- Not recommended for printers with significant distance between the pinch feeder and hot end (eg. >15 mm).

Specifications

Diameter Tolerance	1.75 \pm 0.05 mm	Spool depth (In)	2.64 In (6.70 cm)
Process Temperature	210-235° C	Hub diameter (In)	4.02 In (10.20 cm)
Net Weight (lbs)	1.10 lbs (0.50 kg)	Hub hole diameter (In)	2.01 In (5.10 cm)
Gross Weight (lbs)	1.70 lbs (0.77 kg)	Heated platform required	Recommended
Spool diameter (In)	7.87 In (20.00 cm)	Recommended storage temperature	-20 to 60° C

Product Information			
L x H x W (In)	7.88 x 2.63 x 7.88 (20.02 x 6.68 x 20.02 in cm)	Weight (lbs)	1.70 lbs (0.77 kg)
Packaging Information			
L x H x W (In)	8.16 x 8.16 x 3.19 (20.73 x 20.73 x 8.1 in cm)	Weight (lbs)	2.00 lbs (0.91 kg)
UPC#	02394255500 1	Unit Quantity	1 ea
Pallet Quantity	180 (1 ea)	Cartons Per Layer	20
Layers Per Pallet	3		
Master Case Information			
L x H x W (In)	8.81 x 10.81 x 8.81 (22.38 x 27.46 x 22.38 in cm)	Weight (lbs)	6.73 lbs (3.06 kg)
UPC#	5002394255500 6	Quantity	3 (1 ea)
Shipping Information			
Available Ship Date	In Stock	Country of Origin	JP
Tariff Code	3916.90.1000	Warranty	1-Year Limited Warranty
Minimum Order Qty	3 (1 ea)		

Keywords

55500,#55500,3D Filament, Flexible, PRIMALLOY™ 1.75mm 500g Reel – White,3D Filament, White 3D Filament, PRIMALLOY, 3D Printing, 3D Printing Supplies, 3D Printing Filaments, Flexible 3D Filament, Pliable 3D Filament, Thermoplastic elastomer, TPE Filament, 3D Print Materials, Filament for flexible 3D prints, Filament for rubberized 3D prints, Filament for pliable 3D prints