3D PRINT MATERIALS

ABS 3D Printer Filament

- High performance Acrylonitrile Butadiene Styrene (ABS).
- To be used with widely available fused filament fabrication (FFF) 3D printers.
- Highly durable and more flexible than PLA, it offers good heat resistance and a smooth finish.
- Best results are obtained with printers having a heated build platform.



Retail Box Solution

- Descriptions in 15 languages
- Convenient hand grip. Can also be used to hook onto retail displays.
- Delivered in a vacuum bag, with desiccant, wound onto a bespoke Verbatim reel.

ABS Product Specifications

Diameter accuracy	2.90 mm ± 0.03 mm 1.75 mm ± 0.02 mm
Extrusion temperature	230 - 240 °C
Material Net Weight	1.00 kg
Filament Length :	70 m (for 2.85mm thickness) 404 m (for 1.75mm thickness)

	Black, White, Grey Blue, Red, Green	Transparent
Density	1.05 g/cm3	1.08 g/cm3
Tensile Yield	48 MPa	42 MPa
Flexural Strength	76 MPa	61 MPa
Flexural Modulus	2.2 GPa	2.1 GPa
Impact Strength (Charpy)	20 KJ/m2	12 KJ/m2
Heat Distortion Temperature (HDT)	98 °C	99 °C
Molding Shrinkage	0.3 – 0.7%	N/A

55010	Verbatim ABS Filament 1.75mm 1kg – Black
55011	Verbatim ABS Filament 1.75mm 1kg – White
55012	Verbatim ABS Filament 1.75mm 1kg – Blue
55013	Verbatim ABS Filament 1.75mm 1kg – Red
55014	Verbatim ABS Filament 1.75mm 1kg – Green
55015	Verbatim ABS Filament 1.75mm 1kg – Transparent
55016	Verbatim ABS Filament 1.75mm 1kg - Silver/Metal Grey
55017	Verbatim ABS Filament 2.85mm 1kg – White
55018	Verbatim ABS Filament 2.85mm 1kg – Black
55019	Verbatim ABS Filament 2.85mm 1kg - Transparent

3D PRINT MATERIALS

PLA 3D Printer Filament

- High performance Polylactic Acid (PLA), a partially degradable bio-polymer derived from plants.
- To be used with commonly available FFF-type 3D printers.
- Heated build platform not required.



Retail Box Solution

- Descriptions in 15 languages
- Convenient hand grip. Can also be used to hook onto retail displays.
- Delivered in a vacuum bag, with desiccant, wound onto a bespoke Verbatim reel.

PLA Product Specifications

Diameter accuracy	2.90 mm ± 0.03 mm 1.75 mm ± 0.02 mm
Extrusion temperature	200 - 220 °C
Material Net Weight	1.00 kg
Filament Length :	119 m (for 2.85 thickness) 334 m (for 1.75mm thickness)
Density	1.24 g/cm3
Tensile Strength	15-21 kpsi
Tensile Modulus	500 – 550 kpsi
Melting Point	155-170 °C

55276	PLA 2.85mm 1kg - Black
55277	PLA 2.85mm 1kg – White
55278	PLA 2.85mm 1kg - Blue
55279	PLA 2.85mm 1kg - Red
55280	PLA 2.85mm 1kg - Green
55281	PLA 2.85mm 1kg - Yellow
55282	PLA 2.85mm 1kg - Natural Transparent
55283	PLA 2.85mm 1kg - Silver/Metal Grey

55267	PLA 1.75mm 1kg – Black
55268	PLA 1.75mm 1kg – White
55269	PLA 1.75mm 1kg – Blue
55270	PLA 1.75mm 1kg – Red
55271	PLA 1.75mm 1kg – Green
55272	PLA 1.75mm 1kg – Orange
55273	PLA 1.75mm 1kg – Yellow
55274	PLA 1.75mm 1kg - Natural Transparent
55275	PLA 1.75mm 1kg - Silver/Metal Grey