

3D

ABS Filament

- High performance Acrylonitrile Butadiene Styrene (ABS) filament.
- To be used in widely available fused filament fabrication (FFF) 3D printers.
- Highly durable with excellent heat resistance.
- Responds well to sandpaper treatment.
- Best results are obtained with printers having a heated build platform.
- Commonly used for industrial modeling, gadgets and figurines.



*Note: Specification values are for reference only and not intended as a warranty of any kind.











Product Specifications

Test Method

| | | |
|-------------------------------------|--|-------------------|
| Diameter accuracy | 1.75 mm ± 0.05 mm 2.90 mm ± 0.09 mm | |
| Extrusion temperature | 230 °C - 240 °C | |
| Bed temperature | 70 °C - 100 °C | |
| Material Weight | 1.00kg | |
| Filament Length | 1.75mm - 404 m 2.85mm - 144 m | |
| Density | 1.05 g/cm ³ | ISO1183 |
| Viscat softening temperature | 104 °C | ISO306 |
| Flexural strength | 76 MPa | ISO178 |
| Flexural modulus | 2200 MPa | ISO178 |
| Impact strength (Charpy) | 21 KJ/m ² | ISO179 (23 °C) |
| Tensile strength | 47 MPa | ISO527 (break) |
| Tensile elongation | 30% | ISO527 (50mm/min) |



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| Colour | Part Number | | PANTONE® ref.* | Diameter | Weight |
|-------------------|-------------|---|----------------|----------|--------|
| Black | 55010 |  | Black Process | 1.75 mm | 1 kg |
| White | 55011 |  | White Process | 1.75 mm | 1 kg |
| Blue | 55012 |  | PMS 072 | 1.75 mm | 1 kg |
| Red | 55013 |  | PMS 485 | 1.75 mm | 1 kg |
| Green | 55014 |  | PMS 363 | 1.75 mm | 1 kg |
| Transparent | 55015 |  | Clear | 1.75 mm | 1 kg |
| Silver/Metal Grey | 55016 |  | PMS 877 | 1.75 mm | 1 kg |
| White | 55017 |  | White Process | 2.85 mm | 1 kg |
| Black | 55018 |  | Black Process | 2.85 mm | 1 kg |
| Transparent | 55019 |  | Clear | 2.85 mm | 1 kg |