# 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<br>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<br>2.85mm - 144 m | |
| **Density** | 1.05 g/cm$^3$ | ISO1183 |
| **Viscat soltening 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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3D

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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 |

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