

ABS



Acrylonitrile Butadiene Styrene (ABS) is a commonly used thermoplastic as it is lightweight and can both be injection molded and extruded. It has better mechanical properties than HDPE and less brittle than PLA but handles higher temperatures.



- Strong and weatherproof;
- Professional appearance;
- Easy post-print cleanup;
- Large print temperature window;
- Long term storage durability.

Available in a wide variety of colors. For non-stock colors there is a minimum quantity of 30 kg.

Physical properties

Specific gravity	ISO 1183/B	1,05 g/cm ³
MFI	ISO 1133	15g /10 min
Tensile strength	-	-
Tensile strain	ISO 527-2/50	2,5%
Tensile modulus	ISO 527-2	2280 MPa
Impact strength	ISO 180/A	20 KJ/m ²

Tolerance +/- 0.05 mm (1.75 mm), 0.10 mm (2.85 mm)
Heated bed temp. 90 – 120 °C
Storage 20 °C +/- 30 °C

Thermal properties

Printing temp.	-	230 - 250 °C
Melting temp.	-	250 °C
Melting point	-	-
Vicat softening temp.	ISO 306/B50	+/- 97 °C



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