

MakerPoint ABS

MakerPoint ABS is a strong and impact-resistant filament ideal for 3D printing of solid printed products. Due to its process stability and physical features, Acrylonitrile Butadiene Styrene is a widely used thermoplastic polymer in industry. The material is very light and durable. This makes MakerPoint ABS particularly suitable for tools, toys and all kinds of utensils. Printed at a slightly higher temperature than normal ABS, this filament gives extra strong 3D print results.

Features:

- Very high impact-resistance
- Extra strong
- Stable printing
- Light and durable
- Limited warping

Dimensions		
Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 95%

Colors
MakerPoint ABS is available in a large selection of colors. Special colors are available upon request with a minimum order quantity of 20kg.

3D-printing	
Description	Typical value
Printing technology	FFF
Printing temp.	220-270°C
Heated bed temp.	± 90-110°C
Cooling fan	100%
Flow Rate	100%

Physical properties		
Description	Test method	Typical value
Density	ASTM D792	1,03 g/cc
MFR	ASTM D1238	8,0 g/10 min
Tensile strength	ISO 527	44 MPa
Elongation at break	ISO 527	9%
Tensile modulus	ASTM D638	2000 MPa
Impact Strength	-	36 KJ/mu00b2

Thermal properties		
Description	Test method	Typical value
Melting temp.	ISO 294	245°C ± 10°C
Vicat softening temp.	ISO 306	± 103°C

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The data correspond to our knowledge and experience at the time of publication. They do not on their own represent a sufficient basis for any part design, neither do they provide any agreement about or guarantee the specific properties of a product or part or the suitability of a product or part for a specific application. It is the responsibility of the producer or customer of a part to check its properties as well as its suitability for a particular purpose. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. The data are subject to change without notice as part of MakerPoints continuous development and improvement processes.



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