

## MakerPoint PC-ABS

MakerPoint PC-ABS is an incredibly strong filament with an even higher impact resistance than regular ABS. This is a consequence of the addition of the proper amount of polycarbonate, which also creates a nearly perfect interlayer adhesion and a beautiful surface gloss. This, combined with a highly stable printing process makes PC-ABS the perfect material for mechanical parts and tools, which should be light, strong and show minimal wear after prolonged use.

### Features:

- Improved interlayer adhesion
- High impact resistance
- High surface gloss
- Stable printing process

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 bright colors. Special colors are available upon request with a minimum order quantity of 20kg.

3D-printing	
Description	Typical value
Printing technology	FFF
Printing temp.	245-270°C
Heated bed temp.	± 90-110°C
Cooling fan	100%
Flow Rate	100%

Physical properties		
Description	Test method	Typical value
Density	ASTM D792	1,05 g/cc
MFR	ASTM D1238	7,0 g/10 min
Tensile strength	ASTM D638	46 MPa
Elongation at break	ASTM D638	13%
Tensile modulus	ASTM D638	2100 Mpa
Impact Strength	ISO 180/A	40 KJ/m <sup>2</sup>

Thermal properties		
Description	Test method	Typical value
Melting temp.	ISO 294	250°C ± 10°C
Vicat softening temp.	ISO 306	± 108°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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