

MakerPoint ABS-LW

MakerPoint ABS-LW is a next-generation ABS filament. By applying a zero warp technology to the filament ABS-LW is a filament with far less cracking, proven near perfect interlayers, reliable bed adhesion (glass, tape & other adhesives) while improving the mechanical properties making it extra strong. These properties make MakerPoint ABS-LW the ultimate ABS replacement that prints strong and beautiful parts on any FDM 3D printer without the common headaches associated with regular ABS like warping & horrible bed adhesion. MakerPoint ABS-LW is the perfect material for strong objects that require an high impact tolerance.

Features:

- Zero warp technology
- Excellent interlayer adhesion
- Reliable bed adhesion
- Enhanced mechanical properties over regular ABS
- Great strength and aesthetics

Dimensions

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

Colors

MakerPoint ABS-LW is available from stock in 12 colors. For non stock colors a minimum of 20kg is required.

3D-printing

Description	Typical value
Printing technology	FFF
Printing temp.	240-260°C
Heated bed temp.	± 80°C
Cooling fan	100%
Flow Rate	100%

Physical properties

Description	Test method	Typical value
Specific gravity	ISO 1183	1,01 g/cc
MFR 260°C (5kg)	ISO 1133	41 g/10 min
Yield stress	ISO 527 50mm/min	43,6 Mpa
Strain at break	ISO 527 50mm/min	34%
Tensile (E) modulus	ISO 527 1mm/min	2030 MPa
Impact Strength	ISO 179	58 KJ/m2

Thermal properties

Description	Test method	Typical value
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Last change: 2014-03-31

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.

Melting temp.	ISO 294	235°C ± 10°C
Vicat softening temp.	ISO 306	± 103°C

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