MakerPoint M-ABS

MakerPoint M-ABS is a transparent ABS filament. It is strong, durable and impact resistant. Due to the low percentage of butadiene in M-ABS this filament smells a lot less than regular ABS, and also shows less warping. The M-ABS polymer is inherently less impact resistant than ABS, but MakerPoint M-ABS filament is still approximately 3 times more impact resistant than any regular PLA on the market. The transparency of the polymer makes it also possible to manufacture deep opaque colors, if desired.

Features:

- Transparent, translucent
- Not the unpleasant smell of ABS
- High impact M-ABS
- Good chemical resistance
- Less warping than ABS

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

Colors
MakerPoint M-ABS is available from stock in the five translucent colors, transparent, red, yellow, green and blue, and in 5 opaque colors. Special colors are available upon request with a minimum order quantity of 20kg.

3D-printing	
Description	**Typical value**
Printing technology	FFF
Printing temp.	220-260˚C
Heated bed temp.	± 90-100 ˚C
Cooling fan	100%
Flow Rate	100%

Physical properties		
Description	**Test method**	**Typical value**
Density	ASTM D792	1,06 g/cc
MFR	ASTD D1238	12,0 g/10 min
Tensile strength	ASTM D638	39,2 MPa
Stain at break	ASTM D638	35 %
Flexural modulus	ASTM D790	1830 Mpa
Impact Strength	ISO 180/A	17 KJ/m²

Thermal properties		
Description	**Test method**	**Typical value**
Melting temp.	ISO 294	210-240˚C

Last change: 2014-03-31

Heat Deflection Temp	ASTM 648	± 82˚C
Transparency	ASTM D1003	90 %