

PrintaMent M-ABS



General

M-ABS is a transparent ABS filament, so strong, durable and impact resistant. Due to the low percentage of butadiene in M-ABS this filament smells much less unpleasant than ABS, and, moreover, also shows less warping. The M-ABS polymer is inherently less impact resistant than ABS, but slightly modified our M-ABS filament is still approx. 3 times more impact resistant than any regular PLA in the market. The transparency of the polymer makes it also possible to manufacture deep opaque colours, if desired.

Features

- Transparent, translucent
- Not the unpleasant smell of ABS
- Modified for High impacts
- Good chemical resistance
- Less warping than regular ABS

Colors

black, white

Recommended print settings

- Printing Temperature: 180-220°C
- Heated Bed: not required with PrintaFix | >65°C
- Enclosure: not required
- Adhesion Agent: PrintaFix
- Part Cooling Fan: 100%
- Nozzle: standard brass (hardened for glow in the dark)
- Print speed: up to 70mm/s
- Layer height: >0.1mm
- Flow Rate: 100%

Additional Information

All PrintaMent Filaments are produced in Europe using modern production standards: During production, the latest in laser measuring technology is used to ensure that you will receive a spool of filament with a very tight diameter and roundness tolerance. Most materials offer

a colourful selection of many beautiful colours which gives you a lot of options to perfect and individualize prints. Store PrintaMent cool and dry away from UV light to enhance the shelf life.

Technical Data

Dimensions

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

Physical Properties

Description	Typical Value
Specific gravity	1,06g/cc
FMFR 200°C/10kg	12g/10min
Tensile strength	39,2MPa
Elongation at break	35% (MD)
Tensile modulus	1830 Mpa
Moisture Absorbtion	0,13%

Thermal Properties

Description	Typical Value
Printing temp.	195-220°C
Heat Distortion T.	70°C