

## MakerPoint PVA-M

MakerPoint PVA-M filament is a, cold water soluble, supporting material for dual extruder 3D printing. The modification on the raw material results in a filament that is much more thermally stable than regular PVA. It also bonds well to PLA, ABS and PET-G, which enlarges the application field significantly. Polyvinyl alcohol-based filament is nontoxic and once dissolved in water it is fully biodegradable. Easy printing, low failures rates and easy removability makes this an excellent support material.

### Features:

- Improved formula with enhanced stability in printing
- Excellent water solubility
- Thermal much more stable than regular PVA
- Good bonding to PLA, PET-G and ABS
- Biodegradable when dissolved in water

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

Colors
MakerPoint PVA-M is available in its natural color.

3D-printing	
Description	Typical value
Printing technology	FFF
Printing temp.	180-205°C
Heated bed temp.	35-60°C
Cooling fan	100%
Flow Rate	100%

Physical properties		
Description	Test method	Typical value
Density	ASTM D1505	1,22 g/cc
MFR 220 °C	-	-
Tensile strength	-	-
Tensile modulus	ISO 527	3500 MPa
Impact strength Charpy method	ISO 179	Notched No break 1,6 kJ/m <sup>2</sup>

Thermal properties		
Description	Test method	Typical value
Melting temp.	-	163 °C
Vicat softening temp	ISO 306	60,2 °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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