



3D Printing Solutions

PVA-M

PVA-M filament is our preferred, 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 a regular PVA. It also bonds well to PLA, ABS and PET-G, which enlarges the application field significantly. This polyvinyl alcohol based filament is nontoxic and biodegradable one dissolved in water. Easy printing, much less failures and easy removability makes this the supporting material you should try.

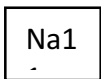
Features:

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



Colours:

PVA-M is available from stock in its natural colour.



Packaging:

PVA-M is supplied in a vacuum bag, due to the moisture sensitivity of PVA and a custom box. Deliverable in different sizes:

- 500 gram
- 2,3 kg
- 4,5 kg
- 8,5 kg

Filament specs.		
Size	Øtolerance	Roundness
2,85 mm	± 0,10 mm	>95%

Material properties		
Description	Test method	Typical value
Specific gravity	ASTM D1505	1,22 g/cc
MFR 220°C	-	-
Tensile strength	-	-
Tensile modulus (1mm/min)	ISO 527	3500 Mpa

Impact strength Charpy method 23°C	ISO 179	Notched 1,7 KJ/m2
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Additional info:

Recommended temperature for heated bed \pm 35-60°C. Do not exceed a printing temperature of 225°C, because then PVA crystallizes quickly and it will no long flow and/or dissolve in water.

The speed at which the product dissolves in water is dependent on the volume of the printed object and the temperature of the water. PVA-M dissolves in cold water. Higher water temperature (up to 70°C is no problem) will accelerate the dissolution. PVA-M works with most adhesion techniques used for technical materials, but is best used with specialized 3d printing adhesion sprays.

Storage:

Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.

Size and pricing

All prices shown are exclusive of VAT.

Pricing	
Size	Price excl. BTW
500 gram	€ 51,95
2,3 kg	€ 205,95
4,5 kg	€ 370,95
8,5 kg	€ 637,50