

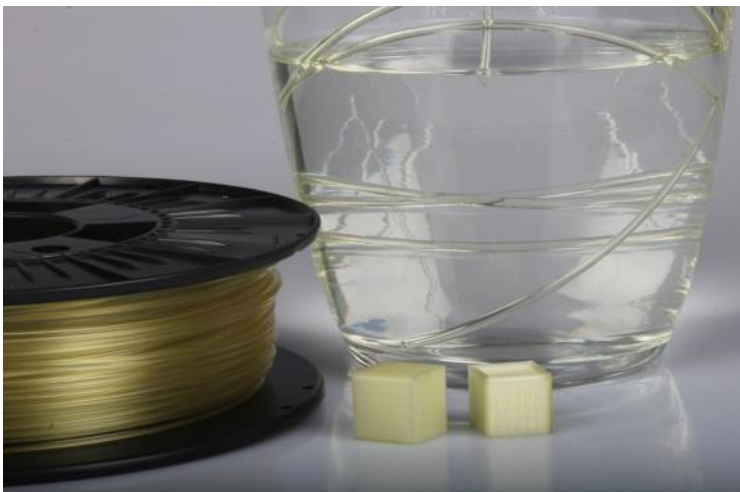


Product datasheet

ENGLISH

PVA

PVA filament is quickly soluble in water, bonds well to plastics and prints easy. Therefore it is an excellent supporting material for dual extruder 3D printing. This polyvinyl alcohol-based filament is non toxic and biodegradable once dissolved in water. For applications other than supporting material PVA is also available in colours and has a high tensile strength



Dimensions

Size		
1,75mm	± 0,05mm	≥ 95%
2,85mm		

Physical properties

Description		
Specific gravity MFR 190°C/21,6kg	ASTM D1505	1,23 g/cc
Tensile strength	ISO 527	78 MPa (Mpa)
Strain at break		
Tensile modulus (1mm/min)	ISO 527	3860 Mpa
Impact Strength Charpy method 23°C		Notched

Thermal properties

Description		
printing temp.	-	180-205°C
melting temp.		
vicat softening temp.	ISO 306	60.2°C

Features:

- Excellent water solubility
- Easy to print at low temperature
- Good bonding to various plastics such as PLA and ABS
- Biodegradable when dissolved in water
- Limited smell

Colours: PVA is available in its natural colour.

Additional info

Recommended temperature for heated bed is ± 35-60°C. Do not exceed a printing temperature of 225°C, because then PVA crystallizes quickly and it will no longer 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 dissolves in cold water. Higher water temperature (up to 70°C is no problem) will accelerate the dissolution.

PVA can be used on all common desktop FDM or FFF technology 3D printers.

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