

# 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.

**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:**

Check the website for available colours.

Filaments specifications		
Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%

Material properties		
Description	Testmethod	Typical value
Specific gravity	ASTM D1505	1,23 g/cc
MFR 190°C/21,6 kg	ISO 1133	14-20 gr/10 min
Tensile strength	ISO 527	78 Mpa
Strain at break	ISO 527	9,9%
Tensile modulus (E-Modules)	ISO 527	3860 MPa
Impact strength - charpy method 23 °C	ISO 179	1,6 kJ/m2
Printing temperature	ddd drop	20-250 °C
Melting temperature	-	163°C
Vicat softening temperature	ISO 306	60,2°C

**Additional info:**

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.

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