



## 3D Printing Solutions

### **PVA-S**

PVA-S is our specially developed water-soluble solution for dual extrusion when you need to print with styrene based materials. PVA-S has an excellent adherence to ABS and TPU95A. PVA-S dissolves slightly slower than regular PVA and it is advised to dissolve in luke warm water, preferably in circulated water. PVA-S can handle higher nozzle temperatures (<250 °C) without the risk of cross linking and clogging the nozzle and is therefore perfect for printing with styrene based materials which typically print at higher temperatures.

#### **Features:**

- Great adhesion to styrene based materials
- Stable at higher nozzle temperatures (<250°C)
- Good dissolvability in luke warm water
- Biodegradable when dissolved in water
- Performs in heated environments up to 55-60°C



#### **Colours:**

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

Na1

#### **Packaging:**

PVA-S is supplied in a vacuum bag and custom box. Deliverable in different sizes:

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

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

<b>Material properties</b>		
Description	Test method	Typical value
Specific gravity	ISO 1183	1,19 g/cc
MFI 190°C / 21,6 kg	ISO 1133	58 g/10min
Printing temp.	C3DP	240-250°C

PVA-S works with most adhesion techniques used for technical materials, but is best used with specialized 3d printing adhesion sprays.

PVA-s can be used on the Ultimaker 3 and Ultimaker 3 Extended.

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.

<b>Pricing</b>	
Size	Price excl. BTW
500 gram	€ 58,08
2,3 kg	€ 233,85
4,5 kg	€ 421,09
8,5 kg	€ 724,16