

ACRO PVA – ABS/ Styrene

ACRO PVA is our specially developed water soluble solution for dual extrusion when you need to print with styrene based materials. ACRO PVA has an excellent adherence to ABS, ABS-PRO, ASA, and TPU-BEND. ACRO PVA dissolves slightly slower than regular PVA and it is advised to dissolve in luke-warm water, preferably in circulated water. ACRO PVA 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.

Material 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

Filament specs.		
Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
Material properties		
Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,19 g/cc
MFI 190°C / 21,6kg	ISO 1133	58 g/10min
Printing temp.	DF	245±10°C

Additional info:

ACRO PVA works with most adhesion techniques used for technical materials, but is best used with specialized 3d printing adhesion sprays or a glue stick.

ACRO PVA can be used on most Dual printing 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.