

PVA

SMARTFIL PVA or polyvinyl alcohol is a water-soluble filament that is used as a support material in 3D printing. It is especially recommended for use in parts made of PLA and indicated for parts with difficult access to its support structure or with complex or inaccessible supports.

The PVA is then removed by dissolving the piece in water. In addition, it is a biodegradable, non-toxic and odorless filament.



Biodegradable



Soluble



Allow for all printers

	VALUES	UNIT OF MEASUREMENT	STANDARD		
PHYSICAL PROPERTIES					
Chemical name	Polyvinyl Alcohol				
Density	1,23	g/cm ³	ASTM D792		
PRINTING PROPERTIES					
Printing temperature	190 – 205	°C			
Bed temperature	> 50	°C			
Layer fan	50 – 100	%			
Material flow	100	%			
Layer height	≥ 0,2	mm			
Nozzle recommendations	≥ 0,4	mm			
Print speed	20 – 30	mm/s			
SIZE					
SIZE	NET WEIGHT	GROSS WEIGHT	DIAMETER	COLOR	PACKAGING
S	330 g	465 g	1,75 mm/2,85 mm	Natural	SmartBag, security seal,
M	750 g	900 g	1,75 mm/2,85 mm	Natural	desiccant bag.

NOTICE: The information provided in the data sheets is intended for reference only. It should not be used as design or quality control values. Actual values may differ significantly depending on printing conditions. The final performance of printed components not only depends on materials, design and printing conditions are also important.