

TECHNICAL DATA SHEET VERSION 1.1

PVA

SMARTFIL PVA or polyvinyl alcohol is a water-soluble filament used as support material in 3D printing. It is especially recommended to use for PLA pieces to reach those points where the support structure is complex or inaccessible. Later, it can be removed by putting the piece in water, It is also a biodegradable filament, non-toxic and odorless.



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	TIPICAL VALUE	UNITS	TEST METHOD
PHYSICAL PROPERTIES			
Chemical Name	PolyVinyl Alcohol		
Material Density	1.23	g/cm ³	ISO 1183
Solubility	Soluble in water		

PRINTING PROPERTIES			
Print Temperature	190-210	°C	
Hot Pad	25-60	°C	
Fan Layer	ON (100)	%	
Layer Speed	30-45	mm/s	

SIZE	NET W.	GROSS W.	DIAMETERS	COLOR	PACKAGING
S	350 g	495 g	1.75 mm/2.85 mm	Natural	SmartBag, security seal, desiccant bag
M	750 g	975 g	1.75 mm/2.85 mm	Natural	



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

Smart Materials assumes no responsibility for any damage, injury or loss produced by the use of its filaments in any particular application.