

SUPPORT

A High Impact Polystyrene (HIPS) to use as support, its main advantages is its fast dissolution speed in D-Limonene compared to conventional HIPS, being 3 times faster and its compatibility with a large number of materials.



	TIPICAL VALUE	UNITS	TEST METHOD		
PHYSICAL PROPERTIES					
Chemical Name	High Impact Polystyrene Modified				
Material Density	1.1	g/cm ³	ISO 1183		
PRINTING PROPERTIES					
Print Temperature	210-270	°C			
Hot Pad	70-100	°C			
Fan Layer	OFF MAX (20)	%			
SIZE	NET W.	GROSS W.	DIAMETERS	COLOR	PACKAGING
M	750 g	975 g	1.75 mm/2.85 mm	Various colors	SmartBag, security seal, desiccant bag

Recommendations for use.

We do not recommend to print this filament under 0,1mm as it can cause obstruction to the extruder.

Main Advantages:

PVA

- Cheaper
- Compatible with a wide range of materials (not only PLA)
- Unaffected by moisture or humidity, so it does not lose its properties

HIPS

- Better printing resolution
- Compatible with a wide range of materials (not only ABS)
- Faster printing speed
- It dissolves three times faster
- No more contractions or warping

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.