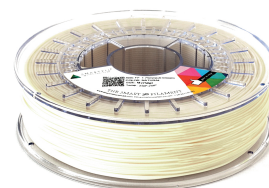


ABS F.P.

Fireproof ABS tested according to UL94 standard, choosing the V-1 for 1,5mm wall thickness and V-0 for thickness above 2.1mm, ideal for protecting systems with high risk of fire.



Recyclable
Recyclable
Recyclable



Ignifugo
Fire proof
Epreuve du feu

		TIPICAL VALUE	UNITS	TEST METHOD	
PHYSICAL PROPERTIES					
Chemical Name		Acrylonitrile Butadiene Styrene			
Material Density		1.17	g/cm ³	ASTM D792	
MECHANICAL PROPERTIES					
Tensile Yield Strength at 23°C		38	MPa	ISO 527	
Flexural Strength		56	MPa	ISO 178	
Flexural Modulus		180	MPa	ISO 178	
Charpy Notched Impact Strength at 23°C		24	kJ/m ²	ISO 179	
Notched Izod Impact		23	kJ/m ²	ISO 180	
THERMAL PROPERTIES					
Heat Distortion Temperature		76	°C	ISO 75	
Vicat Softening Temperature		93	°C	ISO 306	
PRINTING PROPERTIES					
Print Temperature		210-230	°C		
Hot Pad		80-100	°C		
Fan Layer		OFF	%		
SIZE	NET W.	GROSS W.	DIAMETERS	COLOR	PACKAGING
M	750 g	975 g	1.75 mm/2.85 mm	Natural	SmartBag, security seal, desiccant bag

USE RECOMENDATIONS

USE A SUITABLE DEVICE FOR PRINTING

To achieve a good adhesion between layers and maintain good properties it is necessary to use a completely closed printer that reaches the recommended temperature. Please make sure that your device meets these features.



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.