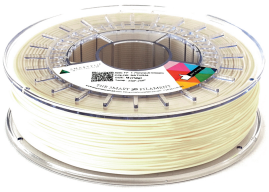
ABS F.P.

TECHNICAL DATA SHEET VERSION 1.1

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.



Reciclable
Recyclable
Recyclable

Ignífugo
Fire proof
Épreuve du feuf

	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 Softering 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

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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.