

## SMARTFIL® ABS F.P.

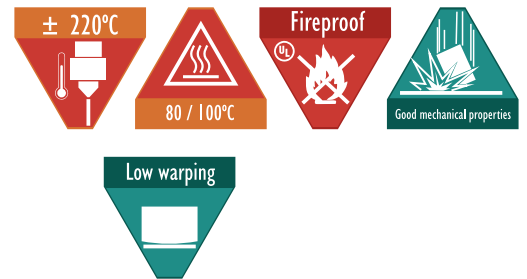
ABS ignífugo autoextinguible, probado bajo condiciones según normativa UL94, optando la categoría de V-1 para espesores de 1.5mm y V-0 para espesores superiores a 2.1mm, ideal para proteger sistemas con riesgo de prenderse.

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.

# ABS F.P.

### Colores Disponibles / Available Colours

Color	Name	Colour
Natural	Natural	Nature



Physical Properties	Typical Value	Test Method
Material Density	1,17 g/cm <sup>3</sup>	ASTM D792

Chemical Name Acrylonitrile Butadiene Styrene

Mechanical Properties	Typical Value	Test Method
Charpy Notched Impact Strength <sup>2</sup>	24 kJ/m <sup>2</sup>	ISO 179

Flexural Modulus 180 MPa ISO 178

Flexural Strength 56 MPa ISO 178

Notched Izod Impact 23 kJ/m<sup>2</sup> ISO 180

Tensile Yield Strength 38 MPa ISO 527  
(2) at 23°C

Thermal Properties	Typical Value	Test Method
Heat Distorsion Temperature	76 °C	ISO 75
Vicat Softening Temperature	306 °C	ISO 306

Printing Properties	Typical Value
Print Temperature	220±10 °C
Hot Pad	80-100 °C
Fan Layer	Off (Max 20%)

Size	Net W.	Gross W.	Diameters	Packaging Characteristics
M	750 g	975 g	1'75 / 2'85 mm	SmartBag, security seal
XL <sup>1</sup>	3300 g	3864 g	1'75 / 2'85 mm	SmartBag, security seal
XXL <sup>1</sup>	5600 g	6346g	1'75 / 2'85 mm	SmartBag, security seal
XXXL <sup>1</sup>	7000 g	7746 g	1'75 / 2'85 mm	SmartBag, security seal

(1)XL, XX and XXL son fabricados bajo demanda. Plazo de entrega entre 1 y 5 semanas.  
XL, XX and XXL spools are made under order. Delivered term between 1 and 5 weeks.

**Nota:** Ninguno de nuestro filamentos contiene material reciclado con el fin de ofrecer filamentos de la mejor calidad.

**Note:** None of our filaments is produced with recycled material in order to get the highest quality filaments.