

SMARTFIL® ABS H.I.

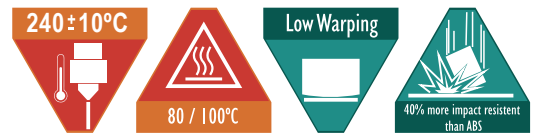
ABS de alta resistencia al impacto (High Impact - H. I.), especialmente diseñado para el sector industrial y recomendado para imprimir piezas que requieran altas prestaciones mecánicas.

High impact ABS (H. I.) specially designed for the industrial sector and recommended for printing parts that require high mechanical performance.

ABS H.I.

Colores Disponibles / Available Colours

Color	Name	Colour
Natural	Natural	Nature



Physical Properties	Typical Value	Test Method
Material Density	1,04 g/cm ³	ISO 1183

Chemical Name Acrylonitrile Butadiene Styrene

Mechanical Properties	Typical Value	Test Method
Charpy Notched Impact Strength ²	32 kJ/m ²	ISO 179

Flexural Modulus 2000 MPa ISO 178

Flexural Strength 59 MPa ISO 178

Notched Izod Impact 31 kJ/m² ISO 180

Rockwell Hardness (R Scale) 98 R ISO 2039

Tensile Yield Strength 40 MPa ISO 527
(2) at 23°C

Thermal Properties	Typical Value	Test Method
Heat Distorsion Temperature	90 °C	ISO 75
Vicat Softening Temperature	94 °C	ISO 306

Printing Properties	Typical Value
Print Temperature	240±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 ¹	3300 g	3864 g	1 75 / 2 85 mm	SmartBag, security seal
XXL ¹	5600 g	6346g	1 75 / 2 85 mm	SmartBag, security seal
XXXL ¹	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.