

SMARTFIL[®] HIPS

Poliestireno de Alto Impacto, ideal para imprimir piezas muy resistentes y con excelentes propiedades mecánicas. Tiene características similares al ABS. Puede ser lijado y pintado con pinturas acrílicas. Ideal como material de soporte, ya que se disuelve con D-Limoneno.

High Impact Polystyrene, ideal for printing highly resistant parts with excellent mechanical properties. It has similar characteristics to ABS, it can be sanded and painted with acrylic paints. Ideal to be used as a support material, as it can be subsequently diluted in D' Limonene.

HIPS

Colores Disponibles / Available Colours

Color	Name	Colour
Natural	Natural	Nature
Negro	True Black	Black

Physical Properties

Physical Properties	Typical Value	Test Method
Material Density	1,05 g/cm ³	ISO 1183

Chemical Name	High Impact Polystyrene	
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Mechanical Properties

Mechanical Properties	Typical Value	Test Method
Charpy Notched Impact Strength ²	12 kJ/m ²	ISO 179

Flexural Modulus	1950 MPa	ISO 178
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Flexural Stress	38 MPa	ISO 178
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Notched Izod Impact	14 kJ/m ²	ISO 180
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Tensile Modulus	1750 MPa	ISO 527
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Tensile Stress at Yield ²	19.5 MPa	ISO 527
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(2) at 23°C

Thermal Properties

Thermal Properties	Typical Value	Test Method
Heat Deflection Temperature	79 °C	ISO 75

Vicat Softening Temperature	100 °C	ISO 306
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Printing Properties

Printing Properties	Typical Value
Print Temperature	235±10 °C

Hot Pad	80-100 °C
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Fan Layer	Off (Max 20%)
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Size Net W. Gross W. Diameters Packaging Characteristics

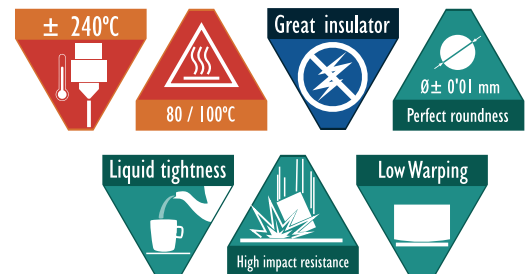
M	750 g	975 g	1'75 / 2'85 mm	SmartBag, security seal
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XL ¹	3300 g	3864 g	1'75 / 2'85 mm	SmartBag, security seal
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XXL ¹	5600 g	6346g	1'75 / 2'85 mm	SmartBag, security seal
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XXXL ¹	7000 g	7746 g	1'75 / 2'85 mm	SmartBag, security seal
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(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.



Reciclable
Recyclable
Recyclable



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con alimentos
Food Approved
Aliments approuvés

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.