

## SMARTFIL ABS

SMARTFIL ABS: Es un filamento que aguanta altas temperaturas, es mecanizable y soluble en acetona. Una de las cualidades de nuestro filamento de ABS es su resistencia, es reciclable y es fácil de pintar. Es un plástico que se usa en múltiples aplicaciones, objetos domésticos, piezas industriales, en automoción y muchas más.

SMARTFIL ABS: This Filament can bear great temperatures, it is machineable and it can be diluted in acetone. One of the qualities of our ABS is its resistance, it is recyclable and easy to paint. This plastic can be used in multiple applications, like domestic objects, industrial pieces, automotive and much more.

# ABS

### Colores Disponibles / Available Colours



| Physical Properties | Typical Value         | Test Method |
|---------------------|-----------------------|-------------|
| Material Density    | 1,04g/cm <sup>3</sup> | ISO 1183    |

Chemical Name: Acrylonitrile Butadiene Styrene

| Mechanical Properties                       | Typical Value        | Test Method |
|---|----------------------|-------------|
| Charpy Notched Impact Strength <sup>2</sup> | 22 kJ/m <sup>2</sup> | ISO 179     |
| Flexural Strength                           | 65 MPa               | ISO 178     |
| Hardness, Ball Indentation                  | 97 MPa               | ISO 2039-1  |
| Tensile Stress at Yield <sup>2</sup>        | 45 MPa               | ISO 527     |
| Tensile Modulus                             | 2300 MPa             | ISO 527     |

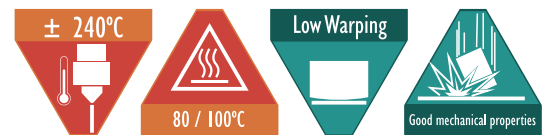
(2) at 23°C

| Thermal Properties          | Typical Value | Test Method |
|-----------------------------|---------------|-------------|
| Heat Deflection Temperature | 99 °C         | ISO 75      |
| Vicat Softening Temperature | 105 °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   |
| L                 | 1000 g | 1256 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 | 6346 g   | 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.



Recyclable  
Recyclable  
Recyclable



Apto para contacto  
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.

**Note:** Nos filaments ne sont pas fabriqués avec des matériaux recyclés dans le but d'offrir un produit de la meilleure qualité