

Nylon PA12 W

Poliammide 12, Nylon 12, HP 3D High Reusability PA 12 W

White coloring allows it to be dyed in as many colors as possible, so it can be adapted to your production line and employed in your target market.



Material properties

Density	ASTM D792	1,01	g/cm ³
Suitability for food contact	CE 1935/2004 – 10/2011	NO	
Tensile strength	ASTM D638	49	MPa
Elongation at break	ASTM D638	17	%
Elastic modulus	ASTM D638	1900	MPa
Flexural strength	ASTM D790	70	MPa
Resilience	ISO 179	45	kJ/m ²
Hardness	ASTM D2240	80 D	Shore
HDT 0.45 MPa	ASTM D648	175	°C
HDT 1.8 MPa	ASTM D648	95	°C
Melting temperature	ASTM D3418	187	°C
Volumic electrical resistivity	UL746A / ASTM D257	10 ¹²	Ω*m

Printing layer height

0,08 mm (0,003 in)

Maximum dimensions

380x284x380 mm (15x11.2x15 in)

Tolerances

± 0,50mm < 100mm / ± 0,5% > 100mm

Applications

For functional prototypes and final parts. Excellent chemical resistance to oil, grease, hydrocarbons. Excellent basis for subsequent surface finishes. US FDA guidance for Intact Skin Surface Device, Statement of Composition for Toy Applications.

Information contained in this data sheet is up-to-date and correct as at the date of issue. As Weerg cannot control or anticipate the conditions under which this product may be used, each user should review the information in the specific context of the planned use. To the maximum extent permitted by law, Weerg will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implied mandatory by law.