

Nylon PA12 Caricato vetro

Nylon PA 12 GB, Nylon PA 12 40% Glass Filled

Nylon PA 12 40% GF is suitable for demanding conditions and is recommended for all applications where thermal stability and structural rigidity are required.



Material properties

Density	ASTM D792	1,30	g/cm ³
Water absorption at saturation	ISO 62	1,70	%
Hygroscopicity	ISO 62	0,80	%
Suitability for food contact	CE 1935/2004 – 10/2011	NO	
Tensile strength	ASTM D638	30	MPa
Elongation at break	ASTM D638	10	%
Yield strength	ISO 527	47,5	MPa
Elastic modulus	ASTM D638	2500	MPa
Flexural strength	ASTM D790	57,5	MPa
Resilience	ISO 179	80	kJ/m ²
Hardness	ASTM D2240	82 D	Shore
HDT 0.45 MPa	ASTM D648	174	°C
HDT 1.8 MPa	ASTM D648	114	°C
Melting temperature	ASTM D3418	186	°C
Flammability	UL94	HB	

Printing layer height

0,08 mm (0,003 in)

Maximum dimensions

380x284x380 mm (15x11.2x15 in)

Tolerances

± 0,40mm < 100mm / ± 0,4% > 100mm

Applications

For functional prototypes and final products. Suitable for manufacturing components where rigidity and dimensional stability are key parameters. Good chemical resistance to oil, grease and hydrocarbons.

Certifications

RoHS - PAHs - REACH - UL 94 - UL746A

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.

Volumic electrical resistivity	UL746A / ASTM D257	10¹²	Ω*m
---------------------------------------	-----------------------	------------------------	------------

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.