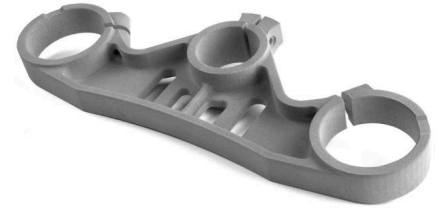


# Nylon PA12 Glass Beads

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 <sup>3</sup>
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 <sup>2</sup>
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	
Volumic electrical resistivity	UL746A / ASTM D257	10 <sup>12</sup>	Ω*m

### 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

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