PA3200 GF

High-Temperature

Glass-reinforced rigid material.

An off-white, glass-filled nylon, this material is excellent for functional, rigid prototypes.

Benefits

- High-temperature resistant
- Good thermal load ability
- Excellent surface quality

Applications

- Glass reinforced rigid prototypes
- Functional nylon prototypes
- Under bonnet applications
- Form and fit testing
- Complex, intricate designs

Physical Properties

Colour	White
Type	Glass filled Nylon

Mechanical Properties

		TEST/ISO
Hardness Shore A/D	**80D ± 2**	DIN 53505
Flexural Modulus (MPa)	**2,100 ± 150**	DIN EN ISO178
Tensile Strength (MPa)	**48 ± 3**	Din EN ISO527
Tensile Modulus (MPa)	**3,200 ± 200**	ATSM D638
Elongation Break (%)	**6 ± 3**	DIN EN ISO180
Impact Strength (J/m)	**35 ± 6**	
Density (g/cm³)	**1.18-1.2**	N/A

Thermal & Specific Properties

Glass Transition Temperature Tg (°C)	**172 - 180**	DIN 53736

Call: 028 9070 6940
Email: sales@laserproto.com
Web: www.laserproto.com

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