

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 DIN EN ISO180 | |
| Elongation Break (%) | 6 ± 3 | | |
| Impact Strength (J/m) | 35 ± 6 | N/A | |
| Density (g/cm ³) | 1.18-1.2 | | |

Thermal & Specific Properties

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

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