

Glass Filled Nylon 12



Material description

Glass filled variant of Nylon 12 provides greater rigidity, perfect when prototyping rigid parts intended for production in advanced engineering thermoplastics, and is the right choice for functional testing. Form, fit and functional testing can now be completed without sacrifice. The filler is glass bead and not fibre; part predominantly increases in stiffness but not strength.

Material specification

Colour	White
Density of laser sintered part	1.23 to 1.28g/cm ³
Tensile modulus	3200 ± 200MPa
Tensile strength	48 ± 3MPa
Elongation at break	6 ± 3%
Flexural modulus	2100 ± 150 MPa
Melting point	172 to 180°C
Vicat softening temperature B/50	166°C
Vicat softening temperature A/50	179°C
Coefficient of thermal expansion	1.68 x 10 ⁻⁴ /K

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