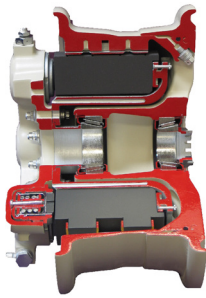




Glass Filled Nylon 12



Application:

Glass Filled variant of Nylon 12. Providing greater rigidity, perfect when prototyping rigid parts intended for production in advanced engineered 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: Glass Filled Nylon 12	
Colour	White
Material Properties:	
Density of Laser Sintered Part	1.23 to 1.28g/cm ³
Mechanical Properties:	
Tensile Modulus	3200 ± 200MPa
Tensile Strength	48 ± 3MPa
Elongation at Break	6 ± 3%
Flexural Modulus	2100 ± 150MPa
Thermal Properties:	
Melting Point	172 to 180°C
Vicat Softening Temperature B/50	166°C
Vicat Softening Temperature A/50	179°C
Coefficient of Thermal Expansion	0.68 x 10 ⁻⁴ /K

For further technical information or to obtain a quotation for your parts, please contact us on +44 (0)1635 580284 or email your 3D CAD data to enquiries@3trpd.co.uk

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