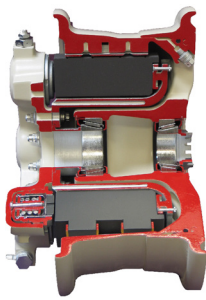




Nylon 12



Application:

Nylon 12 parts have good long term stability, offering resistance to most chemicals. Complexity is irrelevant. Delivers the impact strength and durability required for functional testing. Tensile and flexural strength combine to make tough prototypes, with the flex associated with many production thermoplastics.

Material Specification: Nylon 12	
Colour	White
Material Properties:	
Density of Laser Sintered Part	0.9 to 0.95g/cm ³
Mechanical Properties:	
Tensile Modulus	1700 ± 150MPa
Tensile Strength	45 ± 3MPa
Elongation at Break	20 ± 5%
Flexural Modulus	1240 ± 130MPa
Thermal Properties:	
Melting Point	172 to 180°C
Vicat Softening Temperature B/50	163°C
Vicat Softening Temperature A/50	181°C
Coefficient of Thermal Expansion	1.09 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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