



### Material description

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

Colour	White
Density of laser sintered part	0.9 to 0.95g/cm <sup>3</sup>
Tensile modulus	1700 ± 150MPa
Tensile strength	45 ± 3MPa
Elongation at break	20 ± 5%
Flexural modulus	1240 ± 130 MPa
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 <sup>-4</sup> /K

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