

Technical Data Sheet

Nylon White

Unreinforced, white nylon, 3D printing (FDM)

Typical Properties

- High elongation at break, very tough
- Good chemical resistance
- Very good surface finish, natural white
- Economical entry-level material for functional prototypes

Typical Industries

- Prototyping
- Consumer goods industry
- Mechanical engineering
- Jigs, fixtures and tooling

	Test Method	Unit	Value
General Properties			
Density		g / cm ³	1.1
Colour			white
Mechanical Properties			
Tensile modulus	ASTM D638	MPa	1700
Tensile stress at yield	ASTM D638	MPa	51
Tensile stress at break	ASTM D638	MPa	36
Tensile strain at break	ASTM D638	%	150
Flexural strength	ASTM D7901	MPa	50
Flexural modulus	ASTM D7901	MPa	1400
Izod impact strength (notched)	ASTM D256-10, Method A	J / m	110
Thermal Properties			
Heat deflection temperature (0.45 MPa)	ASTM D648, Method B	°C	41
Melting temperature		°C	215 – 218

The stated values are average values based on test specimens produced by the additive manufacturing process (FDM). They serve only as information about our product range and as an aid to material selection. The actual properties of manufactured parts additionally depend on print parameters, layer build-up and part geometry; we do not thereby provide any legally binding assurance of specific properties or of suitability for a particular purpose.