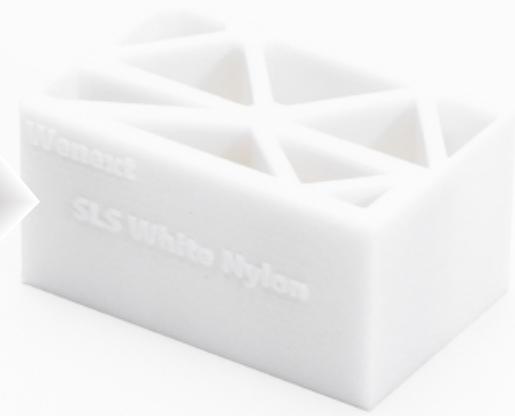


SLS White Nylon

Material Introduction



Introduction

The material is a White polyamide 12 with high-temperature resistance, good toughness, and high strength, which is suitable for functional verification of product prototypes.

Advantages

High temperature resistance, good toughness and high strength. No support needed when printing, suitable for proofing of products with extremely complicated structures

Disadvantage

Grainy surface, more expensive.

Tolerance

200 μ m or 0.2%

Recommendation

High heat distortion temperature and high strength, can be used as functional parts.

Attention >

Grainy surface please notice that in advance. If you have higher requirements on strength and temperature resistance, please choose Fiberglass for verification.

Attributes

Heat deformation (0.45 MPa) (GB/T 1040.2-2006): 145 $^{\circ}$ C

Heat deformation (1.8 MPa) (GB/T 1040.2-2006): 82 $^{\circ}$ C

Melting point: 183 $^{\circ}$ C

Tensile strength (GB/T 1040.2) : 46 MPa

Tensile modulus: 1600 MPa

Fracture elongation rate: 36%

Bending strength: 46.3 MPa

Flexural Modulus: 1300 MPa

Notch impact strength: 4.9 KJ/m²

Unnotched impact strength: 13.2KJ/m²

Dielectric constant 60 Hz: 3.5

Applications

- Structural verification of auto parts and their supplies
Car bezels, rearview mirrors, dashboards, steering wheels, lights, seats, handles, etc.
- Structural and functional verification of household appliances
Air conditioner, air purifier, vacuum cleaner, electric fan, ironing machine, water dispenser, juicer, hair dryer, etc.
- Structural and functional verification of digital electronic products
Laptops, tablets, mobile phones, digital cameras, game consoles, audio, MP3, mobile power, etc.
- Structural and functional verification of electro mechanical equipments
Industrial display panels, cameras, switches, sockets, power tools, electrical instruments, experimental instruments, measuring tools, etc.
- Structural and functional verification of artwork and toys
Graduation design works, lighting, interior decorations, toys, dolls, etc.