

Ultra Tough Resin Yellow Datasheet



Overview

Ultra Tough Resin Yellow is a unique light-yellow resin specifically developed for SLA 3D printing. Parts printed with this material feature smooth surfaces and outstanding mechanical strength. It has a distinctive light-yellow shade.

As-printed Part's Tolerance: $\pm 200\mu\text{m}$ or 0.2%

Maximum Printing Size: 1700*800*600mm

Properties

Thermal Properties	Metric	Method
Heat Deformation (0.46 MPa)	Coming Soon	Coming Soon
Heat Deformation (1.82 MPa)	Coming Soon	Coming Soon
Mechanical Properties	Metric	Method
Tensile Strength	Coming Soon	Coming Soon
Tensile Modulus	Coming Soon	Coming Soon
Elongation at Break	Coming Soon	Coming Soon
Flexural Properties	Metric	Method
Flexural Strength	Coming Soon	Coming Soon
Flexural Modulus	Coming Soon	Coming Soon
Impact Properties	Metric	Method
Notched Impact Strength	Coming Soon	Coming Soon
Other Properties	Metric	Method
Water Absorption	Coming Soon	Coming Soon

Pros

Ultra Tough Resin Yellow is renowned for its exceptional mechanical properties and durability. With a high deformation temperature and impressive tensile strength, it excels in challenging conditions. It is perfect for visual prototypes and proof-of-concept models.

Cons

The color of Ultra Tough Resin Yellow may highlight layer lines. While it is more durable than many other resins, prolonged exposure to direct sunlight can cause printed parts to become brittle over time due to the material's inherent properties.

Applications

Concept Prototypes	Consumer Electronics	Home Supplies
Industrial Display Panels	Jewelries	Experimental Instruments
Interior Decorations	Sculptures and Props	Mobile Power Banks