

Material Information



Quality Resin White

Introduction

Quality Resin White, also known as Somos® Ledo 6060, is a photosensitive resin material. It is designed for SLA 3D Printing technology. Products printed with quality resin white have smooth surface finishing and good toughness. This material is the go-to choice for most regular use cases.

Advantages

Has high cost-effectiveness. Gives a smooth surface and can be easily colored or painted. Has a low water absorption rate, making it suitable for waterproof designs.

Disadvantages

A yellowish tone may be noticeable when printing a solid and thick product.

Tolerance

±200µm or 0.2%

Recommendation

Quality resin white is ideal for regular applications such as looks-like prototypes, proof-of-concept models, art designs and figurines. It gives out a beautiful and smooth surface finish that is ideal for almost all kinds of 3D Plus™ services.

Material Specifications		
Heat Deformation (0.46 MPa)	ASTM D648M	58°C
Heat Deformation (1.82 MPa)	ASTM D648M	49.6°C
Tensile Strength	ASTM D638M	52.3MPa
Tensile Modulus	ASTM D638M	2600MPa
Elongation at Break	ASTM D638M	11%
Flexural Modulus	ASTM D790M	2400MPa
Notched Impact Strength	ASTM D256A	45 J/m
Water Absorption	ASTM D570-98	0.26%

Attention

Due to the characteristics of resin materials, products printed with resin materials will gradually turn yellow and become brittle after long-term exposure to direct sunlight. If you want to avoid this from happening, you may need to move it out of direct sunlight or add 3D Plus™ services (such as spray painting) to block out the sunlight.

Applications

3DSPRO finds people using quality resin white to make functional parts and prototypes in the following industries and applications.

Artwork and toys:

Sculptures, props, jewelry, lighting, miniatures, figurines, interior decorations, toys, dolls, etc.

Consumer electronics appliances:

Laptops, tablets, mobile phones, digital cameras, game consoles, MP3, and mobile power banks.

Electromechanical equipment:

Industrial display panels, switches, sockets, power tools, electrical instruments, experimental instruments, measuring tools, etc.

Home supplies:

Air conditioner, air purifier, vacuum cleaner, electric fan, ironing machine, water dispenser, juicer, hair dryer, etc.