

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 smooth surface and can be easily colored or painted. Has low water absorption rate makes it suitable for waterproof designs.

Disadvantages

A yellowish tone maybe 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 finishing 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	52.3 MPa
Tensile modulus	ASTM D638M	2600 MPa
Elongation at Break	ASTM D638M	11%
Flexural modulus	ASTM D790M	2400 MPa
Notched impact strength	ASTM D256A	45J/m
Water absorption	ASTM D570-98	0.26%

Attention

Products printed with resin material will gradually turn yellow and brittle after long-term exposure to direct sunlight because of the nature of this material. If you want to prevent this, you may need to keep it away from direct sunlight or add 3D Plus services such as painting to block sunlight.

Applications

3DSPRO find people using Quality Resin White to make functional parts and prototypes in the following industries & applications.

Artwork and toys:

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

Consumer electronics appliances:

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

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.