



# Somos<sup>®</sup> Ledo 6060

Material Introduction



## Introduction

Somos Ledo 6060 is a photo sensitive resin material with tough texture and excellent waterproof performance developed by DSM which can be used to make precision parts for prototyping and functional testing.

## Advantages

The parts have excellent toughness performance, small shrinkage, stability, excellent moisture resistance, wear resistance and durability.

## Disadvantage

The material is yellowish in color

## Tolerance

200 $\mu$ m or 0.2%

## Recommendation

The material has both toughness and strength, is widely used, and can be used for batch parts.

### Attention >

This material is the latest research and development material, the product color is a little yellow, need to understand in advance, if you have better requirements for appearance color, please choose other resin material.

## Attributes

Heat distortion temperature (0.46 MPa) (ASTM Method D638): 58 °C

Hardness: 80

Tensile modulus(ASTM Method D638): 2600MPa

Tensile Strength(ASTM Method D638)) : 50MPa

Elongation at break (ASTM Method D638): 11%

Yield Strain (ASTM Method D638): 3.4%

Notched impact strength (ASTM Method D256): 36KJ/m

Water absorption (ASTM Method D570-98) : 0.26%

## Applications

- Auto parts and prototypes for structural and functional verification  
Such as car baffle, rearview mirror, instrument panel, steering wheel, lights, seats and handles of the structure and function verification
- House hold appliances shells and prototypes.  
Structure and function verification of air conditioner, air purifier, vacuum cleaner, electric fan, ironing machine, drinking machine, juicer, hair dryer, etc
- Medical products  
Such as various medical assistance models, medical teaching models and so on.
- Mechanical and electrical equipment structure and appearance verification.  
Such as industrial display panels, cameras, switches, sockets, power tools, electrical instruments, experimental instruments, measuring tools and so on.
- All kinds of parts  
Durable, small batch production parts
- Moisture/water proof conceptual model