

Somos® Ledo is a photosensitive 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, stable size, excellent moisture resistance, wear resistance and durability.

■ ■ Disadvantages

The viscosity is larger and the details performance is not good, and the temperature resistance is average.

■ ■ Accuracy

100mm ± 0.1 mm

■ ■ Recommended reasons

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

Note

Ledo material detail performance is not good. If you have higher requirements for appearance details, please consult your sales rep.

Material parameters	
Heat distortion temperature (HDT@0.455 MPa) (ASTM Method D648)	58℃
Heat distortion temperature (HDT@1.82 MPa) (ASTM Method D648)	49.6℃
Shore Hardness (ASTM Method D2240)	82D
Tensile strength (ASTM Method D638)	52.3MPa
Tensile modulus (ASTM Method D638)	2600MPa
Elongation at break (ASTM Method D638)	11%
Yield strain (ASTM Method D638)	3.4%
Notched impact strength (ASTM Method D256)	36J/m
Water absorption (ASTM Method D570-98)	0.26%

Application areas
<ul style="list-style-type: none">Auto parts and prototypes for structural and functional verification.
<ul style="list-style-type: none">Household appliances shells and prototypes.
<ul style="list-style-type: none">Mechanical and electrical equipment structure and appearance verification.
<ul style="list-style-type: none">Small parts that require assembly verification.