



Ledo 6060-SLA

Description

Somos® Ledo 6060 is a tough and waterproof photopolymer printing material, ideal for prototyping and functional testing. It can be easily integrated into the production cycle for design validation, ensuring parts meet the functional requirements before full-scale production, thereby saving costs and time in product development.



Features

Color: White

Features: High performance and toughness, excellent moisture resistance, high dimensional accuracy, and excellent heat-resistance
Recommended applications: Automotive, aerospace, functional/conceptual prototyping, small-batch part production, electronics and electrical



Datasheet >

Parameters

Liquid Phase Properties		Optical Properties		
Appearance	White	E_c	12.3 mJ/cm ²	[Critical exposure]
Viscosity	Approx. 380cps at 30°C	D_p	4.7mil	[Slope of penetration depth vs ln(E) curve]
Density	Approx. 1.13g/cm ³ at 25°C	E_{10}	102.5 mJ/cm ²	[Exposure thickness 0.254 mm (0.010 in.)]

Mechanical Properties		UV post-curing	
ASTM	Description	Metrics	Imperial
ASTM D638M	Tensile Modulus	2600 MPa	377 ksi
ASTM D638M	Tensile Strength	52.3 MPa	7.6 ksi
ASTM D638M	Fracture Strain	11%	
ASTM D638M	Yield strain	3.4%	
ASTM D256A	Izod Impact Strength - Notched	36 J/m	0.67 ft-lb/in
ASTM D570-98	Water absorption	0.26%	

Thermal/Electrical Properties		UV post-curing	
ASTM	Description	Metrics	Imperial
ASTM D648	Heat Deflection Temperature (HDT) under 0.46 Mpa (66 psi)	58°C	136°F