

NO:220911(Version1.0)

MOLEGRID™

Gray Lite 01

A type of high precision and excellent texture resin.



Product color:

Gray

Description:

MOLEGRID™ Gray Lite 01 is a type of cost-effective LCD resin, with the features of low odor emission, rapid prototyping, high printing success rate, high precision, excellent texture, high strength and toughness. It is applicable for the LCD equipment in the 405nm band.

MOLEGRID™ Gray Lite 01 is widely used in fields of model production, cultural related, mold verification, etc. It is especially suitable for studios and individual users.

Recommended applications:

Model manufacturing
Design verification
Cultural related field

Characteristics:

High precision
Excellent texture
Keep balance of strength and toughness

Liquid properties			
Appearance	Opaque	Density	1.10-1.20g/cm³ @25°C
Resin Viscosity	300-400cps @25°C		
Mechanical properties		Post-cured ¹	
ASTM Method	Properties Item	Metric Units ²	Imperial Units ²
D638	Tensile Strength	52.0MPa	7.5 psi
D638	Tensile Modulus	2150.0MPa	311.8 ksi
D638	Elongation at break		9.4%
D790	Flexural Strength	76.1MPa	11.0psi
D790	Flexural Modulus	2208MPa	320ksi
D256	Impact value	25.00 J/m	0.46ft-lbf/in
D2240	Hardness (shore D)		82D
Thermal properties			
D648	Heat deflection temperature@0.45MPa (66psi)	65.5°C	149.9°F

¹:Date was measured after curing in a light energy density of 2.2mW/cm² ultraviolet curing box for 20 minutes.

²:The material properties may vary with the structure of the printed part, printing direction, printing equipment, printing parameters and post-curing process.

