



Data Sheet SKU: DLPLX2-18

Trade Name: Platinum Cure Cast- Thermally Curable mSLA 3D Printing Resin

Rigid tough 3D resin for multi-purpose 3D printing, high detail retention.

Designed for creating molds intended for Platinum cured silicones when fully thermal cured

Grade: Industrial

Appearance: Clear Liquid

Odor: Mild Acrylate Odor

Solvent Compatibility

Percent weight gain over 24 hours for printed and post-cured 1x1x1 cm cube immersed in respective solvent:

General Data	
UV Absorption	365, 405nm
Uncured Density	1.11 (g/ml)
Viscosity (25°C)	200 mPa*s
Shore D Hardness	75-78
Linear Shrink	<1%
Post Cure: 10 Minutes 405nm light box (no heat)	
Elastic modulus	115,000 (psi)
Tensile Strength	2000(psi)
Elongation	15%
Work (j)	3
Post Cure: 250°F for 1 Hour	
Elastic Modulus	160,000 (psi)
Tensile Strength	2400 (psi)
Elongation	16%
Work (j)	3.29
Post Cure: 275°F for 1 Hour	
Elastic Modulus	310,000(psi)
Tensile Strength	5,000(psi)
Elongation	11%
Work (j)	4
*Tested according to ASTM D638 specifications	

Material	24 hr weight gain (%)
Acetone	24.75
Isopropyl Alcohol	.98
Bleach (5% NaOCl)	0
Butyl Acetate	11.65
Hydrolic Oil	0
Hyrdogen Peroxide (3%)	0
Mineral Oil, light	0
Mineral Oil, Heavy	0
Caustic Soda (50%)	0
Water	0.0
Xylene	17.48
Vinegar	0

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Do not print products for any person or pet who may chew on or otherwise orally ingest the product. Read and understand all safety information before handling liquid photo polymer.