



PROTOFAB

### Photoreactive Resin

Product Name :  
SKU# :  
Weight : 10KGS  
Date of Manufacturing :  
LOT# : 030718ZLAR  
Sealed and Stored in Dry Place at Room Temperature

#### Warning



1. Resin can be harmful, care should be taken at all times when handling.
2. Touching the resin can cause irritation of the skin.
3. Contact with eyes is likely to cause severe irritation.
4. Accidental ingestion is extremely serious. If resin comes into contact with hands, do not touch the mouth or face.
5. Liquid resin is extremely harmful to aquatic life, causing long-term damage.
6. Avoid breathing in any dust / smoke or steam arising from the resin.
7. Wash hands thoroughly after operation.
8. Contaminated clothing should not be worn outside the working area. Always store correctly and do not dump. Dumping will cause significant environmental damage.
9. Always wear protective gloves, goggles and fume mask when operating.
10. If swallowed seek immediate medical assistance.
11. If resin comes into contact with skin wash thoroughly with soap, preferably in a shower.
12. If there are signs of irritation or a rash seek medical assistance.
13. If any resin enters the eyes wash with water for several minutes. After an initial period of washing, those wearing contact lenses should carefully take them out and wash the eyes with the lenses removed.
14. If the eyes are still irritated after washing seek medical assistance.
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16. Waste resin requires treatment from an approved waste treatment plant.



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# Magna L90: Heat Resistant

Magna L90 has a heat resistance of 70 ° C, which approximates the performance and appearance of ABS. The excellent temperature resistance makes the Magna L90 suitable for a wider range of applications, including luminaires and automotive interiors. The surface texture is smooth and fine after molding, and requires very little post-processing, which greatly reduces the production period of the hand model.

## Advantages

High temperature resistance  
Excellent detail and surface texture  
Easy to make and post-process

## Applications

Automobile industry  
High temperature model making  
Wind tunnel test  
Electronics housing  
Dental orthodontics  
Lighting production



## Magna L90 TECHNICAL DATA SHEET

Liquid Properties			Optical Properties		
Appearance	Canary yellow (Customizable)		Dp	0.13	[slope of cure-depth vs. ln(E) curve]
Viscosity	546 cps	@ 25.5°C	Density	1.127 g/cm <sup>3</sup>	@ 25°C

Mechanical Properties (90 Minutes UV Postcure)		
ASTM Method	Property Description	Value
ASTM D 638	Tensile Modulus	2134 MPa
ASTM D 638	Tensile Strength at Break	59.75 MPa
ASTM D 638	Elongation at Break	5.20%
ASTM D 648 @66PSI	Heat Deflection Temperature	60°C
ASTM D 790	Flexural Strength	44.71 Mpa
ASTM D 790	Flexural Modulus	1885 Mpa
ASTM D 256	Izod Impact (Notched)	38.44 J/m
ASTM D 2240	Hardness Shore D	82

These values may vary and depend on individual machine processing and post-curing practices.