

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/splashes/spray originating 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 facemask 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. Take them out and wash the eyes with the lenses removed.
15. If the eyes are still irritated after washing seek medical assistance.
16. Waste resin requires treatment from an approved waste treatment point.



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Clara A: Clear

Clara A is a clear plastic with excellent resistance against humidity and moisture. Its key property is transparency, which sees it used in a range of applications including car headlights. The main reason why customers chose Clara A is for its transparency, but it has other advantageous properties too. It is easy to recoat and cleaning quick and easy.

Advantages

- Transparent, excellent optical clarity
- Resistant to humidity and moisture
- Easy to process and finish
- Simulates acrylic effect

Applications

- Master patterns
- Concepts and prototypes
- Fluid flow analysis
- Optical testing
- Car headlights



Clara A TECHNICAL DATA SHEET

Liquid Properties			Optical Properties		
Appearance	Clear (Customizable)		Dp	0.14	[slope of cure-depth vs. ln(E) curve]
Viscosity	226 cps	@ 25.3°C	Density	1.090 g/cm ³	@ 25°C (77°F)

Mechanical Properties (90 Minutes UV Postcure)		
ASTM Method	Property Description	Value
ASTM D 638	Tensile Modulus	2304 MPa
ASTM D 638	Tensile Strength at Break	49.76 MPa
ASTM D 638	Elongation at Break	6.80%
ASTM D 648 @66PSI	Heat Deflection Temperature	55°C
ASTM D 790	Flexural Strength	65.84 Mpa
ASTM D 790	Flexural Modulus	2069 Mpa
ASTM D 256	Izod Impact (Notched)	49.84 J/m
ASTM D 2240	Hardness Shore D	82

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