

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/particles/resin vapour from the resin
7. Wash hands thoroughly after operation
8. Contaminated clothing should not be worn outside the working area. Always store carefully and do not dump. Outgoing will cause significant environmental damage
9. Always wear protective gloves, goggles and face 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. Skin that is red and swollen after washing seek medical assistance
15. If the eyes are still swollen after washing seek medical assistance
16. Resin resin requires treatment from an approved waste treatment plant



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# Robusta G: Tough and Durable

Robusta G is an ultra-tough white plastic that is hard to break and can handle challenging builds. It acts as a replacement for CNC-machined polypropylene or ABS and is ideal for producing master models for vacuum casting. It has all the benefits and convenience associated with Formula L1 but is significantly stronger, which opens up an additional range of uses.

## Advantages

- Very strong and durable
- Convenient to clean and finish
- Highly detailed
- Accurate



## Applications

- Functional prototypes that need to be tough
- Snap-fit models
- Jigs and fixtures

## Robusta G TECHNICAL DATA SHEET

Liquid Properties			Optical Properties		
Appearance	White (Customizable)		Dp	0.14	[slope of cure-depth vs. ln(E) curve]
Viscosity	593 cps	@ 25°C	Density	1.120 g/cm <sup>3</sup>	@ 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	57.70 MPa
ASTM D 638	Elongation at Break	7.40%
ASTM D 648 @66PSI	Heat Deflection Temperature	55°C
ASTM D 790	Flexural Strength	70.43 Mpa
ASTM D 790	Flexural Modulus	2069 Mpa
ASTM D 256	Izod Impact (Notched)	49.0 J/m
ASTM D 2240	Hardness Shore D	81

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