

# 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)		Ec	10.3~11.1 mJ/cm <sup>2</sup>	[critical exposure]
Viscosity	480~560 cps	@ 25°C (77°F)	Dp	0.13-0.16	[slope of cure-depth vs. ln(E) curve]
Density	1.122 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	2170-2295 MPa
ASTM D 638	Tensile Strength at Break	38-45 MPa
ASTM D 638	Elongation at Break	15-20%
ASTM D 648 @66PSI	Heat Deflection Temperature	55~60°C
ASTM D 790	Flexural Strength	60-68 Mpa
ASTM D 790	Flexural Modulus	2276-2389 Mpa
ASTM D 256	Izod Impact (Notched)	28-33J/m
ASTM D 2240	Hardness Shore D	75~85

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

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### Photoreactive Resin

Product Name :  
SKU# :  
Weight : 10KGS  
Date of Manufacturing :  
LOT# : 0007162LAR  
Sealed and Stored in Dry Place at Room Temperature

#### Warning



1. Skin can be irritated, care should be taken at all times when handling
2. Breathing the mist can cause irritation of the skin
3. Contact with eyes is likely to cause severe irritation
4. Accidental explosion is extremely unlikely. 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/steam 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 opening
10. If spilled, wash immediately with water
11. If resin comes into contact with skin, wash thoroughly with soap, peeling skin in a shower
12. If there are signs of irritation or a rash, seek medical attention
13. If any resin enters the eyes, wash with water for several minutes. After an initial period of washing, clean eyelids, contact lenses should carefully take them out and wash the eyes with the lowest viscosity
14. If the eyes are still irritated after washing, seek medical assistance
15. If the eyes are still irritated after washing, seek medical attention
16. Please refer to the MSDS for an approved medical treatment plan



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