

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 ² | [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 ³ | @ 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 | 80-84 |

* 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# : 000716ZLAR

Sealed and Stored in Dry Place at Room Temperature

Warning



1. Skin can be irritated, skin should be taken care of after when handling
2. Touching the resin can cause irritation of the skin
3. Contact with eyes is likely to cause severe irritation
4. Accidental injection 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/resins originating from the resin
7. Wash hands thoroughly after operation
8. Contaminated clothing should not be worn outside the working area. Always steam correctly and do not reuse. Quaternary salt cause significant environmental damage
9. Always wear protective gloves, goggles and bonnet 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 there are signs of irritation, 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
15. Waste resin requires treatment from an approved waste treatment plant



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