

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/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 plant.



PROTOFAB
BEYOND DIMENSIONS

Please visit us online:
www.3dprotofab.com

PROTOFAB™
BEYOND DIMENSIONS

P : +86-592-3862946 F : +86-592-3862808 E : info@3dprotofab.com 899 Maqing Road, Haicang District, Xiamen, Fujian, China 361026

Powered by Vistar (Xiamen) Industries CO., Ltd.
Version 1.1 PN 23.19E.006



Please visit us online:
www.3dprotofab.com

Robusta LR: Tough and Durable

As a high-tough material series, Robusta LR offers better elongation at break and impact strength, and higher thermal performance and precision. It is best suited for models and parts that require high toughness, or prototypes used to make vacuum complexes. Its texture and color are very similar to ABS and other thermoplastics, making it ideal for prototyping and functional testing.

Advantages

- Very tough and very durable
- Easy to clean
- Fine surface texture
- High precision



Applications

- Functional hand model with high toughness requirements
- Snap-on model
- Fixture

Robusta LR HIGH TEMPERATURE Series

| Liquid Properties | | | Optical Properties | | |
|-------------------|-----------------------------|----------|--------------------|-------------------------|---------------------------------------|
| Appearance | Yellow green (Customizable) | | Dp | 0.13 | [slope of cure-depth vs. ln(E) curve] |
| Viscosity | 757 cps | @ 22.8°C | Density | 1.119 g/cm ³ | @ 25°C |

| Mechanical Properties (90 Minutes UV Postcure) | | |
|--|-----------------------------|-----------|
| ASTM Method | Property Description | Value |
| ASTM D 638 | Tensile Modulus | 1933 MPa |
| ASTM D 638 | Tensile Strength at Break | 64.56 MPa |
| ASTM D 638 | Elongation at Break | 5.42% |
| ASTM D 648 @66PSI | Heat Deflection Temperature | 70°C |
| ASTM D 790 | Flexural Strength | 83.59 Mpa |
| ASTM D 790 | Flexural Modulus | 1637 Mpa |
| ASTM D 256 | Izod Impact (Notched) | 36.08 J/m |
| ASTM D 2240 | Hardness Shore D | 83 |

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