

# 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	White (Customizable)		Ec	8.5~9.3 mJ/cm <sup>2</sup>	[critical exposure]
Viscosity	450-520 cps	@ 25°C	Dp	0.125-0.16	[slope of cure-depth vs. ln(E) curve]
Density	1.12 g/cm <sup>3</sup>	@ 25°C			

Mechanical Properties (90 Minutes UV Postcure)		
ASTM Method	Property Description	Value
ASTM D 638	Tensile Modulus	2900-2981 MPa
ASTM D 638	Tensile Strength at Break	58-65 MPa
ASTM D 638	Elongation at Break	7-11%
ASTM D 648 @66PSI	Heat Deflection Temperature	60-65°C
ASTM D 790	Flexural Strength	78-85 Mpa
ASTM D 790	Flexural Modulus	2580-2663 Mpa
ASTM D 256	Izod Impact (Notched)	30-35 J/m
ASTM D 2240	Hardness Shore D	81-85

\* 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# : 000718ZLAR  
Sealed and Stored in Dry Place at Room Temperature

#### Warning



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

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