

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.

Applications

- Functional hand model with high toughness requirement
- Snap-on models
- Fixtures



Advantages

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

ROBUSTA LR TECHNICAL DATA SHEET

Liquid Properties			Optical Properties		
Appearance	Clear (Customizable)		DP	0.13	(Slope of cure-design vs. ln E) curve)
Viscosity	593 cps	@22.8 °C	Density	1.119 g/cm ³	@25°C (77°F)

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.