

# CLARA A : CLEAR

Clara A is a clear plastic with excellent resistance against humidity and moisture. Its key property is transparency, which sees it used in a range of applications including car headlights. The main reason why customer chose Clara A is for its transparency, but it has other advantageous properties too. It is easy to recoat and cleaning quick and easy.

## Applications

- Master Patterns
- Concepts and prototypes
- Fluid flow analysis
- Car headlights
- Optical Testing

## Advantages

- Transparent excellent optical clarity
- Resistant to humidity and moisture
- Easy to process and finish
- Simulates acrylic effect



## CLARA A TECHNICAL DATA SHEET

Liquid Properties			Optical Properties		
Appearance	Clear (Customizable)		DP	0.14	(Slope of cure-design vs. ln (E) curve)
Viscosity	226 cps	@25.3°C	Density	1.090 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	2304 MPa
ASTM D 638	Tensile Strength at Break	49.76 MPa
ASTM D 638	Elongation at Break	6.80%
ASTM D 648 @ 66PSI	Heat Deflection Temperature	55°C
ASTM D 790	Flexural Strength	65.84 Mpa
ASTM D 790	Flexural Modulus	2069 Mpa
ASTM D 256	Izod Impact (Notched)	49.84 J/m
ASTM D 2240	Hardness Shore D	82

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