



## THERMOSET EPOXICLEAR EC2085LV

### Product Highlights

- Clear epoxy low viscosity formulation for casting and coating applications
- Designed for applications that require high strength and chemical resistant coatings
- Exhibits good adhesion properties for laminate and potting applications

Mixing Properties:	Part A	Part B
Mix Ratio (Parts by Weight)	100	25
Mix Ratio (Parts by Volume)	100	30
Color	Clear	Clear
Viscosity @ 77F	850	400
Mixed Viscosity @ 77F	750	
Specific Gravity @ 77F (mixed)	1.07	
Gel Time @77F	20 minutes +/- 5	
Demold Time (varies w/ mass)	4 hrs (varies based on mass)	
Visual color of cured parts	Clear	

Physical Properties:	ASTM Method	Cure 1
Hardness, Shore D	D-2240	85 +/- 5
Flexural Modulus (PSI)	D-790	550,000
Tensile Strength (PSI)	D-638	10,000
Elongation (%)	D-638	7%
IZOD Impact Notched (ft-lb/in)	D-256	0.8
Shrinkage (in/in) (5" sample)	D-2566	0.002
Color	VISUAL	Clear

**Cure 1: Physical properties obtained using ambient room temperature (77°F). Tested after 7 days**

### Other related products offered

- Silicone rubber
- Mold release agents
- Mix tubes
- Additional products available. Inquire directly for products not listed.

## **Mixing suggestions**

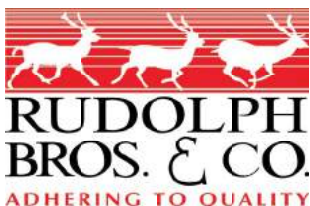
- Precise measurement of part A and part B is the first critical step in a good mix
  - An accurate scale down to the gram (1/10 of a gram if possible) is needed to ensure that your measurements are correct
- Thoroughly mix the two sides:
  - Once the two parts have been combined make sure that you stir the product vigorously and scrape the side walls and bottom to make sure that all the product in the cup is being included in the mixture.
- Optional mixing methods:
  - If you don't feel like you are getting a good mix you can pour the mixed material into a second cup after you are done stirring and scraping to help ensure the two sides have been completely combined.
- Other common techniques:
  - Drill mixing
  - Meter mixing
  - Vacuum degasing

## **Pouring suggestions**

- Start at the lowest point in the mold and allow the product to fill the mold to level.
- Try to avoid letting the product “fold over” itself as this can cause trapped air bubbles in your final part.

## **Post pour suggestions**

- In order to remove the chance of trapped air bubbles even further the mold can be placed in a pressure pot and taken to 60 psi while it cures.



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Option 8 for 24/7 Service



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