

# FORSCH POLYMER CORP.

## EPS 2805

## TECHNICAL DATA BULLETIN

### EPOXY POTTING & ADHESIVE SYSTEM

#### DESCRIPTION

EPS 2805 is an excellent epoxy adhesive system combining a rigid high durometer with excellent physical strength. EPS 2805 has excellent clarity with minimal yellowing characteristics. Applications include flooring, laminates, gel coatings, etc.

#### FEATURES

Unfilled-Excellent Clarity  
Rigid 85 D  
Excellent Electrical Properties  
Good Hydrolytic Stability  
Fast Set Time

#### LIQUID

##### PROPERTIES

	<u>EPOXY 240A</u>	<u>AMN 900B</u>	<u>MIXED</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	10,000-15,000(77F)	300-500(77F)	7,000-10,000(77F)
Density (lbs/gal)	9.50-9.70	9.00-9.20	9.40-9.60

#### PHYSICAL PROPERTIES

Hardness, Shore D		85	
Dielectric Constant (KHZ)		4.10	
Dissipation Factor (KHZ)		0.14	
Volume Resistivity ohm-cm		2.0 x 10 <sup>15</sup>	
Impact Strength Ft. Lbs/In		2.13	
Flexural Strength (psi)		17,500	
Tensile Strength (psi)		10,200	
Elongation, %		3.20	
HDT Deg F		195	
Moisture Resistance			
3 Weeks Immersion H <sub>2</sub> O			
Weight Gain		0.6%	

**EPS 2805 Cont:**

**PROCESSING PARAMETERS**

Process Epoxy resin 240A and Amine Hardener 900B between 55 and 150 Deg. F.

Mold Temperature: 55 to 150 degrees F.

Mix Ratio: 100 parts Epoxy 240A to 20.0 parts Amine 900B by weight

Degas mixture if possible.

Pot Life: (200g mass) (77 Deg F) 10 to 15 minutes

Demold: 1-2 hours. Demold time may be shortened by using higher mold and process temperatures.

Post Cure: 24 hours @ 75-100 degrees F.

**STORAGE**

Systems should be stored unopened in air tight containers at 60-90 degrees F.

**HANDLING PRECAUTIONS**

For complete and updated health and safety information, read the MATERIAL SAFETY DATA SHEETS. Do not handle or use until the MATERIAL SAFETY DATA SHEET has been read and understood.

This product is warranted to be of uniform quality within manufacturing tolerances. Since no control is exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. The obligation herein shall be limited to refunding the purchase price of that portion of the material proven to be defective.