

FORSCH POLYMER CORP.

TECHNICAL DATA BULLETIN

EPS 2806

EPOXY POTTING & ADHESIVE SYSTEM

DESCRIPTION

EPS 2806 is an a lower viscosity version of EPS 2805 having the same excellent adhesive characteristics at a lower viscosity for void free casting. EPS 2805 is designed for applications in casting, flooring, laminates, gel coating, potting, etc.

FEATURES

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

<u>Liquid Properties</u>	<u>Epoxy 260A</u>	<u>AMN 900 B</u>	<u>Mixed</u>
Appearance	Amber Liquid	Amber Liquid	Amber Liquid
Viscosity (cps)	400-1,500 (77F)	300-500 (77F)	500-1,500 (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)	3.99
Dissipation Factor (KHZ)	0.14
Volume Resistivity ohm-cm	2.0×10^{15}
Moisture Resistance 3 Weeks Immersion H ₂ O Weight Gain	0.6%
Impact Strength, Ft. Lbs/In	2.13
Flexural Strength (psi)	16,800
Tensile Strength (psi)	10,000
Elongation, %	3.20
HDT Deg F	145

EPS 2806 cont:

PROCESSING PARAMETERS

Process Epoxy resin 260A and Amine Hardener 900 B between 55 and 150 Deg F.

Mold Temperature: 55 to 150 degrees F.

Mix Ratio: 100 parts Epoxy 260A 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 maybe shortened by using higher mold and process temperatures.

Post Cure: 24 hours @ 77 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.