

## Product Data

# EPOCAST<sup>®</sup> 8623-A Resin Hardener 9861 EPOXY SYNTACTIC

- Low Density Potting Compound
- One Hour Work Life
- Self-Extinguishing

### DESCRIPTION

Epocast 8623-A resin/Hardener 9861 epoxy syntactic is a two-part, core-filling compound with a soft paste consistency for easy extrusion through a 1/8-in. (3mm) nozzle. Epocast 8623-A resin/Hardener 9861 epoxy syntactic is self-extinguishing and cures at room temperature, if desired. Elevated temperature cure or post cure will improve elevated temperature properties.

### TYPICAL PROPERTIES AS RECEIVED

<u>Property</u>	<u>8623-A Resin</u>	<u>9861 Hardener</u>	<u>8623-A/9861 System</u>	<u>Test Method</u>
Color	White	Amber	Off-White	Visual
Density, g/cc.	0.65	1.05	0.70	ASTM-D-1622
Viscosity, cP @ 77°F (25°C)	Paste	18,000	Soft-paste	ASTM-D-2196
Extrudability, 1/8 in. (3mm) nozzle at 80 psi (5 bars), gm/min.	--	--	30	--
Gel time, 100 gms at 77°F (25°C), minutes	--	--	40-60	ASTM-D-2471
Shelf life at 77°F (25°C), unopened, months	12	12	--	--

### MIX RATIO

To 100 parts by weight of Epocast 8623-A resin, add 20 parts by weight of Hardener 9861. Mix both components thoroughly for several minutes to assure complete blending.

### CURE SCHEDULE

24 hours at 77°F (25°C), or gel at 77°F (25°C), plus 1 hour at 180-200°F (83-93°C).

### TYPICAL CURED PROPERTIES (Not for specification purposes)

<u>Test</u>	<u>Result</u>	<u>Test Method</u>
Compressive strength at 77°F (25°C), psi (MPa)	5,000 (34.5)	ASTM-D-695
Compressive modulus at 77°F (25°C), Ksi (MPa)	250 (1,724)	ASTM-D-695
Tensile lap shear strength, etched AL/AL, at 77°F (25°C), psi (MPa)	1,600 (11)	ASTM-D-1002
Flammability, self-extinguishing, seconds	<10	BMS-5-28
Weight gain on immersion after 24 hours at 77°F (25°C), %		ASTM-D-543
Mil-S-3136, Type III test fluid	0.3	
Mil-M-5606, hydraulic fluid	0.4	
Skydrol 500-A	0.6	
Distilled water	1.5	

## CAUTION:

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## FIRST AID!

Eyes and skin: Flush eyes with water for 15 minutes. Contact a physician if irritation persists. Wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

Inhalation: Remove subject to fresh air.

Swallowing: Dilute by giving water to drink and contact a physician promptly. Never give anything to drink to an unconscious person.

## KEEP OUT OF REACH OF CHILDREN

## FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

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