

Ad-Tech Epoxy CER-112-1

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy CER-112-1 is an Epoxy; Epoxide (Epoxy) product. It can be processed by laminating and is available in North America. Typical application: Coating Applications.
Characteristics include:
High Strength
Impact Resistant
Low Viscosity

General Information			
Features	Good Impact Resistance		
	High Strength		
	Low Viscosity		
Uses	Laminates		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Laminating		
Physical	Nominal Value	Unit	Test Method
Apparent Density	1.09	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.010	%	ASTM D955
Water Absorption (24 hr)	0.079	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15200	MPa	ASTM D638
Tensile Strength (Break)	240	MPa	ASTM D638
Tensile Elongation (Yield)	2.6	%	ASTM D638
Flexural Modulus	39000	MPa	ASTM D790
Compressive Strength	80.5	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	57.2	°C	ASTM D648
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Mix Ratio by Volume: 1.0			
Hardener	Mix Ratio by Weight: 18		

Mix Ratio by Weight: 100

Resin	Mix Ratio by Volume: 5.3		
Pot Life (25°C)	15 to 20	min	
Thermoset Mix Viscosity (25°C)	625	cP	ASTM D2393
Demold Time (25°C)	1400	min	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

