

Ad-Tech Epoxy EA-622

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

EA-622 ia a two-component paste compound with quick cure characteristics. The blue resin and yellow hardener when mixed together gives a uniform green color and provides a positive mix indicator. EA-622 will cure at temperatures as low as 0°F. It exhibits an easy 1 to 1 mix ratio with a working life of 15-20 minutes at 25°C/77°F, and sets to handling strength in 30-45 minutes. Typical applications: All types of general repair and bonding applications. EA-622 offers a quick, easy repair of similar and dissimilar materials.

General Information			
Features	General Purpose		
	Good Adhesion		
	Good Chemical Resistance		
Uses	Adhesives		
	Bonding		
	Repairing Material		
Appearance	Green		
Forms	Paste		
Physical	Nominal Value	Unit	Test Method
Water Absorption (24 hr)	0.22	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80 to 82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6350	MPa	ASTM D638
Tensile Strength (Ultimate)	16.5	MPa	ASTM D638
Tensile Elongation (Break)	3.7	%	ASTM D638
Flexural Modulus	1640	MPa	ASTM D790
Flexural Strength (Break)	25.9	MPa	ASTM D790
Compressive Modulus	945	MPa	ASTM D695
Compressive Strength	38.7	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	33.0	°C	
1.8 MPa, Unannealed	28.0	°C	
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Weight: 100		
Shelf Life (25°C)	100	wk	

Post Cure Time (25°C)	0.50 to 0.75	hr	
Additional Information	Nominal Value	Unit	Test Method
Tensile Lap Shear - Aluminum/Aluminum	14.7	MPa	ASTM D1002
Work Life (25°C)	16.0	min	

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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

