

Ad-Tech Epoxy EL-315-2

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy EL-315-2 is an Epoxy; Epoxide (Epoxy) product. It can be processed by laminating and is available in North America. Typical application: Coating Applications. Primary characteristic: low viscosity.

General Information			
Features	Low Viscosity		
	Non-MDA Cured		
Uses	Laminates		
Appearance	Amber		
Forms	Pellets		
Processing Method	Laminating		
Physical	Nominal Value	Unit	Test Method
Apparent Density	1.12	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.15	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12400	MPa	ASTM D638
Tensile Strength (Yield)	155	MPa	ASTM D638
Tensile Elongation (Yield)	2.2	%	ASTM D638
Flexural Modulus	12400	MPa	ASTM D790
Flexural Strength (Yield)	257	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	245	°C	ASTM D648
CLTE - Flow	1.7E-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: 25		
	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Volume: 3.4		

Pot Life (25°C)	180 to 210	min	
Shelf Life	100	wk	
Thermoset Mix Viscosity (25°C)	4500	cP	ASTM D2393
Demold Time			
25°C	1400	min	
66°C	360	min	

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