

Ad-Tech Epoxy EL-301

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy EL-301 is an Epoxy; Epoxide (Epoxy) product. It can be processed by laminating and is available in North America. Applications of Ad-Tech Epoxy EL-301 include adhesives/tapes, coating applications and tools.

Characteristics include:

Good Adhesion

Good Aesthetics

Good Dimensional Stability

General Information			
Features	Good Adhesion		
	Good Dimensional Stability		
	Good Surface Finish		
Uses	Adhesives		
	Laminates		
	Molds/Dies/Tools		
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	0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	88		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16100	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	154	MPa	
Break	243	MPa	
Tensile Elongation (Yield)	6.2	%	ASTM D638
Flexural Modulus	9860	MPa	ASTM D790
Flexural Strength (Yield)	228	MPa	ASTM D790
Compressive Strength	92.3	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	80.0	°C	ASTM D648
CLTE - Flow	4.4E-5	cm/cm/°C	ASTM D696
Thermoset	Nominal Value	Unit	Test Method

Thermoset Components			
Hardener	Mix Ratio by Volume: 1.0		
	Mix Ratio by Weight: 25		
Resin	Mix Ratio by Weight: 100		
	Mix Ratio by Volume: 3.5		
Pot Life (25°C)	25 to 30	min	
Thermoset Mix Viscosity	2000	cP	ASTM D2393
Demold Time (25°C)	4300 to 7200	min	

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