

Ad-Tech Epoxy EL-302-PC

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy EL-302-PC is an Epoxy; Epoxide (Epoxy) product. It can be processed by laminating and is available in North America. Applications of Ad-Tech Epoxy EL-302-PC include coating applications and tools.

Characteristics include:

Good Dimensional Stability

High Strength

Low Viscosity

General Information			
Features	Good Dimensional Stability		
	High Strength		
	Low Toxicity		
	Low Viscosity		
Uses	Laminates		
	Molds/Dies/Tools		
Appearance	White		
Forms	Pellets		
Processing Method	Laminating		
Physical	Nominal Value	Unit	Test Method
Apparent Density	1.41	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.020	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14900	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	185	MPa	
Break	193	MPa	
Tensile Elongation (Yield)	1.1	%	ASTM D638
Flexural Modulus	12600	MPa	ASTM D790
Flexural Strength (Yield)	246	MPa	ASTM D790
Compressive Strength	95.4	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	75.6	°C	ASTM D648
CLTE - Flow	2.9E-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: 16		
	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Volume: 4.8		
Pot Life (25°C)	30 to 35	min	
Thermoset Mix Viscosity	3500	cP	ASTM D2393

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