

Ad-Tech Epoxy EL-318

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy EL-318 is an Epoxy; Epoxide (Epoxy) product. It can be processed by laminating and is available in North America. Applications of Ad-Tech Epoxy EL-318 include aerospace and coating applications. Primary characteristic: flame retardant.

General Information			
Features	Flame Retardant		
	Self Extinguishing		
Uses	Aircraft Interiors		
	Laminates		
Agency Ratings	FAA 14 CFR Part 25.853 App F		
Appearance	Amber		
Forms	Pellets		
Processing Method	Laminating		
Physical	Nominal Value	Unit	Test Method
Apparent Density	1.25	g/cm ³	ASTM D1895
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15200	MPa	ASTM D638
Tensile Strength (Break)	210	MPa	ASTM D638
Tensile Elongation (Yield)	4.7	%	ASTM D638
Flexural Modulus	10500	MPa	ASTM D790
Compressive Strength	74.6	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	1.3E-4	cm/cm/°C	ASTM D696
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mix Ratio by Volume: 1.0		
Hardener	Mix Ratio by Weight: 10		
	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Volume: 7.8		

Pot Life (25°C)	20 to 30	min	
Thermoset Mix Viscosity (25°C)	2500	cP	ASTM D2393
Demold Time (25°C)	4300 to 7200	min	

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