

# Ad-Tech Epoxy ESR-217-AL

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

## Message:

Ad-Tech Epoxy ESR-217-AL is an Epoxy; Epoxide (Epoxy) product filled with aluminum. It can be processed by coating and is available in North America. Applications of Ad-Tech Epoxy ESR-217-AL include coating applications, repairing material and tools. Characteristics include:  
Good Adhesion  
Heat Resistant

General Information			
Filler / Reinforcement	Aluminum		
Features	Good Adhesion		
	Good Thermal Stability		
	Machinable		
	Thixotropic		
Uses	Coating Applications		
	Molds/Dies/Tools		
	Repairing Material		
Appearance	Grey		
Forms	Paste		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Apparent Density	1.70	g/cm <sup>3</sup>	ASTM D1895
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Strength (Yield)	57.9	MPa	ASTM D790
Compressive Strength	110	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	160	°C	ASTM E1356
Thermal Conductivity	1.0	W/m/K	ASTM C177
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 9.0		
Resin	Mix Ratio by Weight: 100		
Pot Life (25°C)	50 to 60	min	
Demold Time	120 to 180	min	

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