

Ad-Tech Epoxy EC-409

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy EC-409 is an Epoxy; Epoxide (Epoxy) product. It can be processed by casting and is available in North America. Typical application: Tools.

General Information			
Uses	Molds/Dies/Tools		
Appearance	Grey		
Forms	Pellets		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Apparent Density	1.99	g/cm³	ASTM D1895
Molding Shrinkage - Flow	0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	89		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5170	MPa	ASTM D638
Tensile Strength (Break)	41.4	MPa	ASTM D638
Tensile Elongation (Yield)	1.2	%	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Compressive Strength	88.5	MPa	ASTM D695
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: 4.5		
Pot Life (25°C)	60 to 80	min	
Thermoset Mix Viscosity (25°C)	4500	cP	ASTM D2393
Demold Time (25°C)	4300 to 7200	min	

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