

Ad-Tech Epoxy EC-408

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy EC-408 is an Epoxy; Epoxide (Epoxy) product filled with iron. It can be processed by casting and is available in North America. Typical application: Tools.

General Information			
Filler / Reinforcement	Iron		
Features	Machinable		
Uses	Molds/Dies/Tools		
Appearance	Black Grey		
Forms	Pellets		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Apparent Density	2.56	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.40	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	46.9	MPa	ASTM D638
Flexural Strength (Yield)	63.4	MPa	ASTM D790
Compressive Strength	152	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	138	°C	ASTM E1356
CLTE - Flow	1.0E-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: 6.8 Mix Ratio by Weight: 100		
Resin	Mix Ratio by Volume: 5.8		
Pot Life (25°C)	10	min	
Thermoset Mix Viscosity (25°C)	50000	cP	ASTM D2393

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