

Ad-Tech Epoxy EC-412

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy EC-412 is an Epoxy; Epoxide (Epoxy) product filled with iron. It can be processed by casting and is available in North America. Primary characteristic: good dimensional stability.

General Information			
Filler / Reinforcement	Iron		
Features	Good Dimensional Stability		
Appearance	Black		
Forms	Pellets		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Apparent Density	2.32	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.3	MPa	ASTM D638
Tensile Elongation (Yield)	1.6	%	ASTM D638
Compressive Modulus	1240	MPa	ASTM D695
Compressive Strength	105	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: 4.0		
Pot Life (25°C)	480 to 720	min	
Thermoset Mix Viscosity (25°C)	15000	cP	ASTM D2393
Demold Time (25°C)	7200 to 10000	min	

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