

Ad-Tech Epoxy EC-417

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

Message:

Ad-Tech Epoxy EC-417 is an Epoxy; Epoxide (Epoxy) product filled with mineral. It can be processed by casting and is available in North America. Typical application: Tools.
Characteristics include:
Good Toughness
Wear Resistant

General Information			
Filler / Reinforcement	Mineral		
Features	Good Toughness		
	Good Wear Resistance		
Uses	Molds/Dies/Tools		
Appearance	Black		
Forms	Pellets		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Apparent Density	1.90	g/cm³	ASTM D1895
Molding Shrinkage - Flow	0.10	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	40.3	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mix Ratio by Volume: 1.0		
Hardener	Mix Ratio by Weight: 50		
	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Volume: 1.3		
Pot Life (25°C)	360 to 480	min	
Thermoset Mix Viscosity (25°C)	12500	cP	ASTM D2393
Demold Time (25°C)	7200 to 10000	min	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

