

# Ad-Tech Epoxy EC-426

Epoxy; Epoxide

Ad-Tech Plastic Systems Corp.

## Message:

Ad-Tech Epoxy EC-426 is an Epoxy; Epoxide (Epoxy) product. It can be processed by casting and is available in North America. Typical application: Tools.  
Primary characteristic: wear resistant.

General Information			
Features	Good Abrasion Resistance		
Uses	Molds/Dies/Tools		
Appearance	Grey		
Forms	Pellets		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Apparent Density	1.54	g/cm <sup>3</sup>	ASTM D1895
Molding Shrinkage - Flow	0.25	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ASTM D638
Tensile Strength (Break)	43.5	MPa	ASTM D638
Tensile Elongation (Yield)	1.9	%	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Compressive Strength	70.1	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	160	°C	ASTM E1356
CLTE - Flow	3.4E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	25	ohms · cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Mix Ratio by Volume: 1.0			
Hardener	Mix Ratio by Weight: 16		

Mix Ratio by Weight: 100

Resin	Mix Ratio by Volume: 3.6		
Pot Life (25°C)	150	min	
Shelf Life (25°C)	52	wk	
Thermoset Mix Viscosity (25°C)	12500	cP	ASTM D2393
Demold Time (25°C)	1100 to 1400	min	

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#### Recommended distributors for this material

### 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

