

# Epic Epoxy S7188-02

Epoxy; Epoxide

Epic Resins

## Message:

Epic S7188-02 is a fire resistant, two component, filled epoxy potting and casting system. Epic S7188-02 features a low mixed viscosity to allow for complete air release, a convenient 3:1 by volume mix ratio and very low shrinkage. Epic S7188-02 is recognized UL 94 V-0 at 5.7 mm.

General Information			
Filler / Reinforcement	Filler		
Features	Flame Retardant		
	Low Shrinkage		
	Low Viscosity		
Uses	Electrical/Electronic Applications		
	Electronic Insulation		
Processing Method	Casting		
	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42 to 1.48	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 25°C)	80 to 85		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	38.0 to 42.0	°C	ASTM E1356
CLTE - Flow	7.0E-5 to 7.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15 to 1.5E+15	ohms·cm	ASTM D257
Dielectric Strength (2.54 mm)	18 to 20	kV/mm	ASTM D149
Dielectric Constant (100 kHz)	3.20 to 3.60		ASTM D2520
Dissipation Factor (100 kHz)	0.010 to 0.020		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mix Ratio by Volume: 3.0		
Part A	Mix Ratio by Weight: 5.0		

Mix Ratio by Volume: 1.0

Part B	Mix Ratio by Weight: 1.0		
Pot Life <sup>1</sup> (25°C)	45 to 60	min	
Thermoset Mix Viscosity (25°C)	3000 to 4700	cP	ASTM D2393
NOTE			
1.	200 Gram Mass		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

