

# DI-COAT E-4599

Thermoplastic

Hapco Inc.

Message:

DI-COAT E-4599  
Shore 90-95 A, elastomeric coatings that have been specifically designed to reproduce exact surface details.  
DI-COAT E-4599 is excellent for electrical insulation applications requiring non or low sag materials.  
DI-COAT E-4599 are formulated to withstand high wear continuous service.

General Information			
Features	Electrically Insulating		
	Fast Cure		
	Fast Molding Cycle		
	Good Flexibility		
	Good Wear Resistance		
	Low Viscosity		
	Shock Absorbent		
	Thixotropic		
Uses	Battery Cases		
	Coating Applications		
	Electrical/Electronic Applications		
	Power Cable Shields		
	Switches		
Appearance	Grey		
Forms	Liquid		
Processing Method	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D4669
Weight - per cubic inch	20	g	
Service Temperature	90	°C	
Gel Time <sup>1</sup> (25°C)	35.0 to 45.0	min	ASTM D2971
Tack-up Time	45.0 to 60.0	min	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	17.2	MPa	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	6.6E+16	ohms·cm	ASTM D257
Dielectric Strength	14	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	2.60		
100 kHz	2.70		
Dissipation Factor (25°C, 100 kHz)	0.025		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 100, Mix Ratio by Volume: 100		
Part B	Mix Ratio by Weight: 75, Mix Ratio by Volume: 100		
Demold Time (21°C)	1400	min	
NOTE			
1.	100 g		

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

