

# Di-Pak™ E-4036

Thermoplastic

Hapco Inc.

## Message:

DI-PAK E-4000 SERIES

Flexible, colorless, potting and encapsulating systems. Available in 5 minute (-5), 16 minute, and 20 minute gel times, and in shore hardness's from 20 A to 80 A .

General Information			
Features	Electrically Insulating		
	Fast Cure		
	Good Flexibility		
	Low Viscosity		
	Shock Absorbent		
Uses	Battery Cases		
	Electrical/Electronic Applications		
	Power Cable Shields		
	Switches		
Appearance	Clear/Transparent		
Forms	Liquid		
Processing Method	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm <sup>3</sup>	ASTM D4669
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D2566
Weight - per cubic inch	19	g	
Service Temperature	70	°C	
Gel Time <sup>1</sup> (25°C)	16.0	min	ASTM D2971
Thermal Shock Test	Pass		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	30 to 40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	3.10	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>2</sup>	14.9	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256

Thermal	Nominal Value	Unit	
Thermal Conductivity	0.22	W/m/K	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.8E+8	ohms·cm	ASTM D257
Dielectric Strength	26	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	4.30		
100 kHz	4.20		
Dissipation Factor (25°C, 100 kHz)	0.019		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: 300, Mix Ratio by Volume: 300		
Thermoset Mix Viscosity (25°C)	3000	cP	ASTM D4878
Demold Time (21°C)	360 to 480	min	
NOTE			
1.	100 g		
2.	Die C		

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

