Di-Pak™ E-4056-5

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/cm³	ASTM D4669
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D2566
Weight - per cubic inch	19	g	
Service Temperature	80	°C	
Gel Time [1] (25°C)	5.0	min	ASTM D2971
Thermal Shock Test	Pass		
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	50 to 60		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	4.48	MPa	ASTM D638
Tensile Elongation (Break)	950	%	ASTM D638
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength [2]	21.0	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	2.5E+8	ohms·cm	ASTM D257
Dielectric Strength	27	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	4.70		
100 kHz	4.60		
Dissipation Factor (25°C, 100 kHz)	0.026		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: 400, Mix Ratio by Volume: 400		
Thermoset Mix Viscosity (25°C)	4500	cP	ASTM D4878
Demold Time (21°C)	60 to 120	min	
NOTE			
1.	100 g		
2.	Die C		

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