# 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 <sup>1</sup> (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	МРа	ASTM D638		
Tensile Elongation (Break)	950	%	ASTM D638		
Elastomers	Nominal Value	Unit	Test Method		
Tear Strength <sup>2</sup>	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	Nominal Value	Unit	Test Method
	Nominal Value  Mix Ratio by Weight: 100, 1		Test Method
Thermoset Components		Mix Ratio by Volume: 100	Test Method
Thermoset Components  Part A	Mix Ratio by Weight: 100, I	Mix Ratio by Volume: 100	Test Method  ASTM D4878
Thermoset Components  Part A  Part B	Mix Ratio by Weight: 100, I	Mix Ratio by Volume: 100 Mix Ratio by Volume: 400	
Thermoset Components  Part A  Part B  Thermoset Mix Viscosity (25°C)	Mix Ratio by Weight: 100, I Mix Ratio by Weight: 400, I 4500	Mix Ratio by Volume: 100 Mix Ratio by Volume: 400 cP	
Thermoset Components  Part A  Part B  Thermoset Mix Viscosity (25°C)  Demold Time (21°C)	Mix Ratio by Weight: 100, I Mix Ratio by Weight: 400, I 4500	Mix Ratio by Volume: 100 Mix Ratio by Volume: 400 cP	

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## Recommended distributors for this material

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