Di-Pak™ E-4036-5

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.

Fast Cure Good Flexibility Low Viscosity Shock Absorbent Uses Battery Cases Electrical/Electronic Applications Power Cable Shields Switches 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 70 cell Time¹ (25°C) 5.0 min ASTM D2971 Thermal Shock Test Pass Hardness Nominal Value Unit Test Method Test Method ASTM D2971 Thermal Shock Test Pass Hardness Nominal Value Unit Test Method Test Method ASTM D2971 Thermal Shock Test Pass Hardness Nominal Value Unit Test Method Test Method Test Method Mechanical Nominal Value Unit Test Method	General Information				
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 9/cm³ ASTM D2566 Weight - per cubic inch 19 9 Service Temperature 70 Cel Time 1/ (25°C) 5.0 min ASTM D2571 Thermal Shock Test Pass Hardness Nominal Value Unit Test Method	Features	Electrically Insulating			
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 D2666 Molding Shrinkage - Flow 0.20 to 0.40 % ASTM D2566 Weight - per cubic inch 19 Service Temperature 70 Cel Time¹ (25°C) Thermal Shock Test Pass Hardness Nominal Value Unit Test Method Unit Test Method Durometer Hardness (Shore A) 30 to 40 Unit Test Method Unit Test Method Durometer Hardness (Shore A) 30 to 40 Unit Test Method Test Method Test Method MPa ASTM D2636 ASTM D2640 Mechanical Nominal Value Unit Test Method Test Method Test Method Test Method Test Method Test Method Test Strength 3.10 MPa ASTM D638 Testile Elongation (Break) Nominal Value Unit Test Method		Fast Cure			
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Gel Time ¹ (25°C) 5.0 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	Weight - per cubic inch	19	g		
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Tensile Elongation (Break) 1000 % ASTM D638 Elastomers Nominal Value Unit Test Method	Mechanical	Nominal Value	Unit	Test Method	
Elastomers 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 ² 14.9 kN/m ASTM D624	Tear Strength ²	14.9	kN/m	ASTM D624	
Impact Nominal Value Unit Test Method	Impact	Nominal Value	Unit	Test Method	
Notched Izod Impact No Break ASTM D256		N Durali		ACTM DOE6	

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	Nominal Value	Unit	Test Method
	Nominal Value Mix Ratio by Weight: 100,		Test Method
Thermoset Components		Mix Ratio by Volume: 100	Test Method
Thermoset Components Part A	Mix Ratio by Weight: 100,	Mix Ratio by Volume: 100	Test Method ASTM D4878
Thermoset Components Part A Part B	Mix Ratio by Weight: 100, Mix Ratio by Weight: 300,	Mix Ratio by Volume: 100 Mix Ratio by Volume: 300	
Thermoset Components Part A Part B Thermoset Mix Viscosity (25°C)	Mix Ratio by Weight: 100, Mix Ratio by Weight: 300, 3000	Mix Ratio by Volume: 100 Mix Ratio by Volume: 300 cP	
Thermoset Components Part A Part B Thermoset Mix Viscosity (25°C) Demold Time (21°C)	Mix Ratio by Weight: 100, Mix Ratio by Weight: 300, 3000	Mix Ratio by Volume: 100 Mix Ratio by Volume: 300 cP	

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