

Di-Pak™ E-4568

Thermoplastic

Hapco Inc.

Message:

DI-PAK E-4568

A tough, REPAIRABLE, shock resistant potting compound for short and long run productions. DI-PAK E-4568 has excellent insulating properties, a very low moisture vapor transmission rate, can be operated from -60°C to +100°C, and performs in both wet and dry environments. It can be easily trimmed with a knife, making repairs quick and easy.

General Information			
Features	Electrically Insulating		
	Fast Cure		
	Good Flexibility		
	Good Toughness		
	Low Moisture Vapor Transmission		
	Low Viscosity		
	Shock Absorbent		
Uses	Battery Cases		
	Electrical/Electronic Applications		
	Power Cable Shields		
	Switches		
Appearance	Blue		
Forms	Liquid		
Processing Method	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm ³	ASTM D4669
Molding Shrinkage - Flow	0.050 to 0.15	%	ASTM D2566
Weight - per cubic inch	15	g	
Service Temperature	70	°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)	60 to 70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	0.862	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Unnotched 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	3.5E+15	ohms·cm	ASTM D257
Dielectric Strength	28	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	1.30		
100 kHz	1.30		
Dissipation Factor (25°C, 100 kHz)	1.0E-3		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: 88, Mix Ratio by Volume: 100		
Thermoset Mix Viscosity (25°C)	950	cP	ASTM D4878
Demold Time (21°C)	20 to 40	min	
NOTE			
1.	100 g		

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