Di-Pak™ E-4701-5

Thermoplastic

Hapco Inc.

Message:

DI-PAK E-4701, E-4951 and E-4501
Easily pourable, thermally conductive, shock resistant potting compounds that are ideally suited for low and high production applications. This series of DI-PAK products reduce rejects by exhibiting extremely low stress on potted components. All three of the above DI-PAK E products are flame retardant and meet UL 94V-0 requirements.

General Information			
Features	Electrically Insulating		
	Fast Cure		
	Flame Retardant		
	Good Flexibility		
	Low to No Water Absorption		
	Low Viscosity		
	Shock Absorbent		
	Thermally Conductive		
Uses	Battery Cases		
	Electrical/Electronic Applications		
	Power Cable Shields		
	Switches		
Appearance	Black		
Forms	Liquid		
Processing Method	Potting		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.50	g/cm³	ASTM D4669
Molding Shrinkage - Flow	0.050 to 0.15	%	ASTM D2566
Weight - per cubic inch	25	g	
Service Temperature	125	°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)	65		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	6.89	MPa	ASTM D638
Tensile Elongation (Break)	150	%	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**	**Test Method**
CLTE - Flow	3.5E-4	cm/cm/°C	ASTM D696
Thermal Conductivity	0.42	W/m/K	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.4E+12	ohms·cm	ASTM D257
Dielectric Strength	> 16	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	4.40		
100 kHz	4.10		
Dissipation Factor (25°C, 100 kHz)	0.073		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: 250, Mix Ratio by Volume: 150		
Thermoset Mix Viscosity (25°C)	9200	cP	ASTM D4878
Demold Time (21°C)	20 to 35	min	
NOTE			
1.	100 g		

Recommended distributors for this material

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