Di-Pak™ R-4807

Thermoplastic

Hapco Inc.

Message:

RIGID
DI-PAK R-4806 & R-4807 A/B
Low viscosity, fast cure, high performance, potting and encapsulating compounds with excellent properties and FAST TURNOVER. Both are two part systems with 1:1 mix ratios by volume.

General Information	
Features	Electrically Insulating
	Fast Cure
	Good Processability
	Good Toughness
	High Heat Resistance
	Low Viscosity
Uses	Battery Cases
	Electrical/Electronic Applications
	Power Cable Shields
	Switches
Appearance	Black
Forms	Liquid
Processing Method	Encapsulating
	Potting

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm³	ASTM D4669
Molding Shrinkage - Flow	0.15 to 0.30	%	ASTM D2566
Weight - per cubic inch	18	g	
Service Temperature	70	°C	
Gel Time [1] (25°C)	3.5 to 4.5	min	ASTM D2971
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	84		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2340	MPa	ASTM D638
Tensile Strength	42.7	MPa	ASTM D638
Tensile Elongation (Break)	11	%	ASTM D638
Flexural Modulus	2490	MPa	ASTM D790
Flexural Strength	60.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	12	J/m	ASTM D256
Unnotched Izod Impact	69	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	
Thermal Conductivity	0.22	W/m/K	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.5E+14	ohms·cm	ASTM D257
Dielectric Strength	18	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	3.77		
100 kHz	3.63		
Dissipation Factor (25°C, 100 kHz)	0.22		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: 93, Mix Ratio by Volume: 100		
Thermoset Mix Viscosity (25°C)	240	cP	ASTM D4878
Demold Time (21°C)	60	min	
NOTE			
1.	100 g		

Recommended distributors for this material

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WECHAT