Di-Pak™ R-4260

Thermoplastic

Hapco Inc.

Message:

RIGID
DI-PAK R-4912 & R-4260 A/B
Low viscosity, fast cure, high performance, high HDT 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	1.12	g/cm³	ASTM D4669
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D2566
Weight - per cubic inch	18	g	
Service Temperature	146	°C	
Gel Time [1] (25°C)	1.0	min	ASTM D2971
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	655	MPa	ASTM D638
Tensile Strength	53.1	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	1820	MPa	ASTM D790
Flexural Strength	73.1	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	9.6	J/m	ASTM D256
Unnotched Izod Impact	56	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	
Thermal Conductivity	0.22	W/m/K	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	4.7E+13	ohms·cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	3.73		
100 kHz	3.50		
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: 86, Mix Ratio by Volume: 100		
Thermoset Mix Viscosity (25°C)	600	cP	ASTM D4878
Demold Time (21°C)	5.0 to 12	min	
NOTE			
1.	100 g		

Recommended distributors for this material

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WECHAT