Di-Pak™ R-4912

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.
Available in flame retardant

General Information	
UL YellowCard	E151367-541367
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	Clear/Transparent
Forms	Liquid
Processing Method	Encapsulating Potting

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D4669
Molding Shrinkage - Flow	0.20 to 0.70	%	ASTM D2566
Weight - per cubic inch	20	g	
Service Temperature	140	°C	
Gel Time [1] (25°C)	1.0	min	ASTM D2971
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	44.1	MPa	ASTM D638
Tensile Elongation (Break)	7.1	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790

Flexural Strength	62.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	39	J/m	ASTM D256
Unnotched Izod Impact	91	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Thermal Conductivity	0.20	W/m/K	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.1E+12	ohms·cm	ASTM D257
Dielectric Strength	19	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	3.60		
100 kHz	3.30		
Dissipation Factor (25°C, 100 kHz)	0.23		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: 90, Mix Ratio by Volume: 100		
Thermoset Mix Viscosity (25°C)	500	cP	ASTM D4878
Demold Time (21°C)	10 to 15	min	
NOTE			
1.	100 g		

Recommended distributors for this material

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