

Di-Pak™ R-4242

Thermoplastic

Hapco Inc.

Message:

RIGID
DI-PAK R-4242/4243

Low cost, fast set potting compounds with excellent properties and FAST TURNOVER. R-4242/4243 are 1:1 by weight or volume, making them ideal for hand pour or automatic metering systems.

General Information			
Features	Electrically Insulating		
	Fast Cure		
	Flame Retardant		
	Good Processability		
	Good Toughness		
	High Heat Resistance		
	Low Viscosity		
Uses	Battery Cases		
	Electrical/Electronic Applications		
	Power Cable Shields		
	Switches		
Appearance	Medium Grey		
Forms	Liquid		
Processing Method	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50 to 1.70	g/cm ³	ASTM D4669
Molding Shrinkage - Flow	0.15 to 0.30	%	ASTM D2566
Weight - per cubic inch	25	g	
Service Temperature	100	°C	
Gel Time ¹ (25°C)	8.0 to 10.0	min	ASTM D2971
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1810	MPa	ASTM D638
Tensile Strength	34.5	MPa	ASTM D638
Tensile Elongation (Break)	3.4	%	ASTM D638
Flexural Strength	2.05	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	22	J/m	ASTM D256
Unnotched Izod Impact	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Thermal Conductivity	0.37	W/m/K	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+15	ohms·cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	4.00		
100 kHz	3.30		
Dissipation Factor (25°C, 100 kHz)	0.019		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: 100, Mix Ratio by Volume: 100		
Thermoset Mix Viscosity ² (25°C)	2500	cP	ASTM D4878
Demold Time (21°C)	60 to 240	min	
NOTE			
1.	100 g		
2.	Range: 2000 to 3000		

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