

DI-COAT R-4721/30

Thermoplastic
Hapco Inc.

Message:

DI-COAT R-4721 / DI-COAT R-4721 LV (lower viscosity)
Shore 90 D, room temperature curing, medium to high thixotropic coating for dielectric insulating applications. DI-COAT R-4721 is ideal for use on vertical or sloping surfaces where flow or drain-off cannot be tolerated. DI-COAT R-4721 is easy to use, and should be used on insulating applications where conformal coating is required. DI-COAT R-4721 LV exhibits similar characteristics to DI-COAT R-4721, but has a lower viscosity.

General Information			
Features	Electrically Insulating		
	Fast Cure		
	Good Processability		
	Good Toughness		
	High Heat Resistance		
	Low Viscosity		
	Thixotropic		
Uses	Battery Cases		
	Coating Applications		
	Electrical/Electronic Applications		
	Power Cable Shields		
	Switches		
Appearance	White		
Forms	Liquid		
Processing Method	Coating		
	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D4669
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	60.0	MPa	ASTM D638
Thermal	Nominal Value	Unit	
Service Temperature ¹	175	°C	
Gel Time ² (25°C)	1.7 to 2.3	hr	ASTM D2971
Cure Time ³ (49°C)	4.0 to 6.0	hr	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+12	ohms · cm	ASTM D257

Dielectric Strength	24	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	3.10		
100 kHz	3.00		
Dissipation Factor (25°C, 100 kHz)	0.024		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 100		
Part B	Mix Ratio by Weight: 13		
NOTE			
1.	For ultimate HDT post cure an additional 6-12 hrs @ 150°C		
2.	100 g		
3.	Plus 6 to12 hours @ 200°F		

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