

Di-Pak™ E-4901-2

Thermoplastic
Hapco Inc.

Message:
DI-PAK E-4901-2, E-4901-10, & E-4901-30
Low cost, easy to use, potting compounds with fast cycle times. Available in 3 speeds.

General Information			
Features	Electrically Insulating		
	Fast Cure		
	Fast Molding Cycle		
	Good Flexibility		
	Low Viscosity		
	Shock Absorbent		
Uses	Battery Cases		
	Electrical/Electronic Applications		
	Power Cable Shields		
	Switches		
Appearance	Black		
Forms	Liquid		
Processing Method	Potting		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D4669
Molding Shrinkage - Flow	0.25 to 0.50	%	ASTM D2566
Weight - per cubic inch	17	g	
Service Temperature	80	°C	
Gel Time ¹ (25°C)	2.0	min	ASTM D2971
Thermal Shock Test	Pass		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	73		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6530	MPa	ASTM D638
Tensile Strength	3.17	MPa	ASTM D638
Tensile Elongation (Break)	41	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ²	9.28	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256

Unnotched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	
Thermal Conductivity	0.22	W/m/K	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.8E+14	ohms·cm	ASTM D257
Dielectric Strength	15	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	1.67		
100 kHz	1.73		
Dissipation Factor (25°C, 100 kHz)	9.0E-3 to 0.012		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: 84, Mix Ratio by Volume: 100		
Thermoset Mix Viscosity (25°C)	3500	cP	ASTM D4878
Demold Time (21°C)	10 to 20	min	
NOTE			
1.	100 g		
2.	Die C		

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