Di-Pak™ E-4888

Thermoplastic

Hapco Inc.

Message:

DI-PAK E-4888 & E-4889
High performance, flexible potting systems designed to be in constant water immersion while maintaining electrical and physical properties. DI-PAK E-4888 & E-4889 were designed to meet Naval underwater applications.

General Information			
Features	Electrically Insulating		
	Fast Cure		
	Good Flexibility		
	Low to No Water Absorption		
	Low Viscosity		
	Shock Absorbent		
Uses	Battery Cases		
	Electrical/Electronic Applications		
	Power Cable Shields		
	Switches		
Appearance	Clear/Transparent		
Forms	Liquid		
Processing Method	Potting		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.05	g/cm³	ASTM D4669
Molding Shrinkage - Flow	0.050 to 0.20	%	ASTM D2566
Weight - per cubic inch	17	g	
Service Temperature	95	°C	
Gel Time [1] (25°C)	25.0	min	ASTM D2971
Thermal Shock Test	Pass		
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	6890	MPa	ASTM D638
Tensile Strength	24.1	MPa	ASTM D638
Tensile Elongation (Break)	650	%	ASTM D638
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength [2]	64.8	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	0.25	W/m/K	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	7.2E+14	ohms·cm	ASTM D257
Dielectric Strength	14	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	2.60		
100 kHz	2.40		
Dissipation Factor (25°C, 100 kHz)	0.10		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: 25, Mix Ratio by Volume: 25		
Thermoset Mix Viscosity (25°C)	1060	cP	ASTM D4878
Demold Time (21°C)	480 to 720	min	
NOTE			
1.	100 g		
2.	Die C		

Recommended distributors for this material

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