

Di-Pak™ E-4889

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	0.988	g/cm ³	ASTM D4669
Molding Shrinkage - Flow	0.050 to 0.20	%	ASTM D2566
Weight - per cubic inch	16	g	
Service Temperature	110	°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)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	21400	MPa	ASTM D638
Tensile Strength	13.1	MPa	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ²	66.5	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	1.3E+16	ohms·cm	ASTM D257
Dielectric Strength	25	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
1 kHz	2.70		
100 kHz	2.50		
Dissipation Factor (25°C, 100 kHz)	0.036		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)	6000	cP	ASTM D4878
Demold Time (21°C)	480 to 720	min	
NOTE			
1.	100 g		
2.	Die C		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT