

INSULCAST® 987 CM

Epoxy; Epoxide
ITW Polymers Coatings North America

Message:
INSULCAST 987 CM is a semi-flexible, potting compound that exhibits excellent electrical and physical properties over a wide range of temperatures.

General Information			
Filler / Reinforcement	Filler		
Features	Good Electrical Properties		
Processing Method	Potting		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Thermal	Nominal Value	Unit	
CLTE - Flow	4.5E-5	cm/cm/°C	
Thermal Conductivity	0.42	W/m/K	
Service Temperature	-55 to 155	°C	
Work Life (25°C)	> 2.0	day	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength	15	kV/mm	ASTM D149
Dielectric Constant (1 kHz)	4.90		ASTM D150
Dissipation Factor (1 kHz)	0.050		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Part A	Mix Ratio by Weight: 2.0		
Part B	Mix Ratio by Weight: 3.0		
Shelf Life (25°C)	52	wk	
Uncured Properties	Nominal Value	Unit	Test Method
Color			
-- 1	Colorless		
-- 2	Colorless		
Density			
-- 3	1.37	g/cm³	
-- 4	1.41	g/cm³	
Viscosity			ASTM D2393
-- 5	50	Pa·s	
-- 6	60	Pa·s	
-- 7	80	Pa·s	
Curing Time			
120°C	2.0	hr	

75°C	24	hr
NOTE		
1.	Part B	
2.	Part A	
3.	Part B	
4.	Part A	
5.	Part B	
6.	Mixed	
7.	Part A	

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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



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