

CONAP® EN-5330

Polyurethane

Cytec Industries Inc.

Message:

CONAP EN-5330 is halogen free based on IEC 61249-2-21 CONAP EN-5330 is a filled two-component polyurethane system designed for use as a potting and encapsulating material for electronic components where critical thermal cycling characteristics are a factor. CONAP EN-5330 has excellent electrical properties, low shrinkage, low stress build-up, and can be hand mixed or machine dispensed.

General Information			
Features	Filled		
	Good Electrical Properties		
	Good Thermal Shock Resistance		
	Low Shrinkage		
Uses	Electrical/Electronic Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Brown		
	White		
Processing Method	Encapsulating		
	Potting		
Physical	Nominal Value	Unit	
Specific Gravity			
-- ¹	1.21	g/cm ³	
-- ²	1.52	g/cm ³	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore D)	52		
Elastomers	Nominal Value	Unit	
Tensile Strength	6.89	MPa	
Tensile Elongation (Break)	57	%	
Tear Strength	22.8	kN/m	
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity ³	0.57	W/m/K	Internal Method
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.5E+15	ohms	
Volume Resistivity (25°C)	3.1E+14	ohms·cm	
Dielectric Strength	21	kV/mm	
Dielectric Constant (25°C, 1 MHz)	3.60		
Dissipation Factor (25°C, 1 MHz)	0.025		

Flammability	Nominal Value	Unit	Test Method
Flame Rating (6.00 mm)	V-0		UL 94
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Weight: 17		
Thermoset Mix Viscosity (25°C)	5000	cP	
NOTE			
1.	Resin		
2.	Hardener		
3.	MIL-16923E		

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

