

CONATHANE® RN-1000

Epoxy; Epoxide
Cytec Industries Inc.

Message:

CONAPOXY RN-1000 is a diluted epoxy potting and casting resin. When CONAPOXY RN-1000 is cured with the curatives listed below, these systems possess low shrinkage, low exotherm, good thermal shock and electrical properties, with a hardness range of 80-90 Shore D.

General Information		
Features	Good Electrical Properties	
	Good Thermal Shock Resistance	
	Low Shrinkage	
Appearance	Amber	
Processing Method	Casting	
	Potting	
Physical	Nominal Value	Unit
Specific Gravity		
-- 1	0.960 to 1.00	g/cm ³
-- 2	1.14	g/cm ³
Hardness	Nominal Value	Unit
Durometer Hardness (Shore D)	80 to 88	
Mechanical	Nominal Value	Unit
Tensile Strength	27.6 to 68.9	MPa
Flexural Strength	41.4 to 96.5	MPa
Compressive Strength	96.5 to 110	MPa
Thermal	Nominal Value	Unit
Glass Transition Temperature	60.0 to 85.0	°C
Thermal Conductivity	0.19	W/m/K
Electrical	Nominal Value	Unit
Dielectric Strength	14	kV/mm
Dielectric Constant (25°C, 1 kHz)	3.50 to 5.00	
Dissipation Factor (25°C, 2 kHz)	0.015 to 0.040	
Thermoset	Nominal Value	Unit
Thermoset Mix Viscosity (25°C)	250 to 600	cP
Cured Properties	Nominal Value	Unit
Linear Shrinkage	0.80 to 1.4	%
NOTE		
1.	Hardeners - Multiple Hardeners Available	
2.	Resin	

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Recommended distributors for this material

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