

CONAPOXY® FR-1212

Epoxy; Epoxide

Cytec Industries Inc.

Message:

CONAPOXY FR-1210 is a filled epoxy potting casting resin. When cured with any of the hardeners listed below, systems exhibiting low shrinkage, low coefficient of expansion, good resistance to mechanical and thermal shock, and good electrical properties are obtained. Hardness of these systems ranges from 80 to 90 Shore D. CONAPOXY FR-1212 is the black version of CONAPOXY FR-1210.

General Information		
Features	Good Electrical Properties	
	Good Thermal Shock Resistance	
	Low Shrinkage	
Appearance	Black	
Processing Method	Casting	
	Potting	
Physical	Nominal Value	Unit
Specific Gravity		
-- ¹	0.960 to 1.15	g/cm ³
-- ²	1.66	g/cm ³
Hardness	Nominal Value	Unit
Durometer Hardness (Shore D)	80 to 90	
Mechanical	Nominal Value	Unit
Tensile Strength	44.8 to 55.5	MPa
Flexural Strength	48.3 to 89.6	MPa
Compressive Strength	82.7 to 110	MPa
Thermal	Nominal Value	Unit
Glass Transition Temperature	70.0 to 165	°C
Electrical	Nominal Value	Unit
Dielectric Strength	15	kV/mm
Dielectric Constant (25°C, 1 kHz)	4.00 to 4.90	
Dissipation Factor (25°C, 1 kHz)	3.0E-3 to 0.035	
Cured Properties	Nominal Value	Unit
Linear Shrinkage	0.40 to 0.90	%
NOTE		
1.	Hardeners - Multiple Hardeners Available	
2.	Resin	

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Recommended distributors for this material

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