

CONAPOXY® FR-1047

Epoxy; Epoxide

Cytec Industries Inc.

Message:

CONAPOXY FR-1047 is an inexpensive, flame retardant, non-abrasive epoxy potting and casting system. It has excellent resistance to thermal shock, low exotherm, and good electrical properties typified by very good arc resistance. When cured with any of the hardeners presented below, a hardness of 80-90 Shore D durometer is obtained.

General Information			
Features	Arc Resistant		
	Flame Retardant		
	Good Electrical Properties		
	Good Thermal Shock Resistance		
Appearance	Black		
Processing Method	Casting		
	Potting		
Physical	Nominal Value	Unit	
Specific Gravity			
-- ¹	0.960 to 1.15	g/cm ³	
-- ²	1.68	g/cm ³	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore D)	85 to 88		
Mechanical	Nominal Value	Unit	
Tensile Strength	40.0 to 48.3	MPa	
Thermal	Nominal Value	Unit	
Glass Transition Temperature	50.0 to 112	°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	16	kV/mm	
Dielectric Constant (25°C, 100 Hz)	5.12 to 6.30		
Dissipation Factor (25°C, 100 Hz)	0.026 to 0.067		
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.318 mm)	V-0		UL 94
Cured Properties	Nominal Value	Unit	
Linear Shrinkage	0.70 to 1.3	%	
NOTE			
1.	Hardeners - Multiple Hardeners Available		
2.	Resin		

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