

# CONAPOXY® AD-10

Epoxy; Epoxide  
Cytect Industries Inc.

Message:

CONAPOXY AD-10 is a unique single-component epoxy that may be used as a structural adhesive or miniature electronic potting compound. The heat-cure formulation was designed for rapid cure at temperatures as low as 93°C (200°F), yet it exhibits good storage life at room temperature. Good dielectric properties and thermal stability make this epoxy ideal for electrical applications up to 150°C (302°F). This single-component epoxy may be used to bond to most metals, ceramics, and plastics and it is chemically resistant to many acids and bases. Specific applications include bonding and/or sealing magnet and speaker assemblies, batteries, filters, end cap filling, structural materials, miniature potting and staking. CONAPOXY AD-10 is typically used as an adhesive and should not be used in excess of 1/8 " thickness. This epoxy eliminates the possibility of human error when mixing two-component systems. By using CONAPOXY AD-10 the manufacturer will save time, ensure quality and reduce scrap.

General Information		
Features	Bondability	
	Fast Cure	
	Good Chemical Resistance	
	Good Thermal Stability	
Uses	Adhesives	
	Batteries	
	Bonding	
	Compounding	
	Electrical Parts	
	Structural Parts	
Appearance	Brown	
Physical	Nominal Value	Unit
Specific Gravity	1.27	g/cm <sup>3</sup>
Solids Content	100	%
Viscosity (25°C)	Thixotropic Non-Flow	
Operating Temperature	-55 to 150	°C
Electrical	Nominal Value	Unit
Dielectric Strength	> 15	kV/mm
Dielectric Constant (25°C, 1 kHz)	4.00	
Dissipation Factor (25°C, 1 kHz)	6.0E-3	
Thermoset	Nominal Value	Unit
Shelf Life		
5°C	35	wk
25°C	17	wk
Demold Time		
93°C	120 to 150	min

107°C	65 to 80	min
121°C	30 to 40	min
135°C	12 to 20	min
149°C	8.0 to 12	min
162°C	5.0 to 8.0	min
204°C	2.0 to 4.0	min
Cured Properties	Nominal Value	Unit
Lap Shear Strength <sup>1</sup>	20.7	MPa
NOTE		
1.	AL/AL	

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Recommended distributors for this material


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