

CONAP® CE-2290

Acrylic
Cyttec Industries Inc.

Message:

CONAP CE-2290 is a single-component acrylic conformal coating that is formulated with non-petroleum-based, bio-derived solvents. The product is on the qualified products list (QPL) for MIL-I-46058C and is approved to the IPC-CC-830B for Type AR coatings. The solvent portion of CONAP CE-2290 is an EPA-approved SNAP composition containing no ozone depleting chemicals. It is non-carcinogenic, contains no HAPs and is non- SARA reportable. CONAP CE-2290 is designed for thin-film applications on components and printed circuitry. It provides fast drying times, reparability, outstanding humidity resistance and hydrolytic stability. CONAP CE-2290 has outstanding electrical properties and retains excellent flexibility to prevent fracturing of fragile components during thermal cycling. Cured films maintain excellent adhesion to phenolic and epoxy glass laminates even in adverse environmental conditions. Component removal is possible by melting through the coating with a soldering iron. Removal of the entire coating is possible with a suitable solvent. CONAP CE-2290 incorporates a tracer dye to aid inspection under ultraviolet light.

General Information			
Features	Good Adhesion		
	Good Electrical Properties		
	Good Flexibility		
	Humidity Resistant		
	Hydrolytically Stable		
Uses	Coating Applications		
	Film		
	Printed Circuit Boards		
	Semiconductor Protective Coatings		
Agency Ratings	MIL I-46058C		
Appearance	Amber		
	Clear/Transparent		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	
Solids Content	28	%	
Viscosity (25°C)	350	mPa · s	Brookfield
Electrical	Nominal Value	Unit	
Volume Resistivity (25°C)	2.5E+15	ohms · cm	
Dielectric Strength	> 120	kV/mm	
Dielectric Constant (25°C, 100 Hz)	2.50 to 3.00		
Dissipation Factor (25°C, 14 kHz)	0.014		
Insulation Resistance ¹ (25°C, 0.0508 mm)	2.8E+12	ohms	
NOTE			

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1. After conditioning 24 hours @
25°C and 50% R.H.

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