

CONATHANE® CE-1155-35

Polyurethane
Cytec Industries Inc.

Message:

CONATHANE CE-1155-35 is a two-component, high-performance, solvent-based polyurethane coating system for protecting circuit assemblies in adverse environments. CONATHANE CE 1155 35 is supplied at 35% solids and is primarily intended for spray applications. Application can be made by dipping, however two or more coats may be required to obtain a recommended film thickness of 1.5 to 2 mils.

General Information			
Features	Fungus Resistant		
	Good Chemical Resistance		
	Good Flexibility		
	Good Thermal Shock Resistance		
	Hydrolytically Stable		
	Solvent Resistant		
Uses	Coating Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
Agency Ratings	MIL I-46058C		
Appearance	Amber		
	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- 1	0.928	g/cm ³	
-- 2	1.05	g/cm ³	
Solids Content			
Hardener	30	%	
Resin	37	%	
Viscosity			Brookfield
Hardener : 25°C	20	mPa · s	
Resin : 25°C	30	mPa · s	
Dielectric Breakdown	> 1500	V	
Flash Point			
Hardener	13	°C	
Resin	32	°C	
Fungal Resistance	Non-nutrient		ASTM G21

Moisture Resistance - 10th cycle @ 65°C, 98% R.H.			
	6.1E+10	ohms	
Electrical	Nominal Value	Unit	
Surface Resistivity	5.7E+14	ohms	
Volume Resistivity (25°C)	1.2E+16	ohms·cm	
Dielectric Constant (25°C, 1 MHz)	3.42		
Dissipation Factor (25°C, 1 MHz)	0.016		
Insulation Resistance (25°C)	> 2.5E+13	ohms	
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Weight: 100		
Pot Life (25°C)	480 to 600	min	
Shelf Life (25°C)	65	wk	
Thermoset Mix Viscosity (25°C)	25.0	cP	
Demold Time			
25°C	7200 to 10000	min	
60°C	180	min	
NOTE			
1.	Hardener		
2.	Resin		

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