

CONAP® EN-5310

Polyurethane

Cytec Industries Inc.

Message:

CONAP EN-5310 is a two-component liquid polyurethane resin system formulated for low durometer encapsulating applications.

Designed to meet the demanding requirements of moisture resistance and vibration absorption, this system will produce different hardnesses based on the mix ratio used.

General Information		
Features	Humidity Resistant	
	Soft	
	Vibration Damping	
Appearance	Brown	
	Clear/Transparent	
Forms	Liquid	
Processing Method	Encapsulating	
Physical	Nominal Value	Unit
Specific Gravity		
-- 1	0.970	g/cm ³
-- 2	1.14	g/cm ³
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A)	17	
Elastomers	Nominal Value	Unit
Tensile Stress (100% Strain)	1.05	MPa
Tensile Strength	1.65	MPa
Tensile Elongation (Break)	170	%
Tear Strength	2.38	kN/m
Electrical	Nominal Value	Unit
Surface Resistivity	2.8E+12	ohms
Volume Resistivity	9.5E+10	ohms·cm
Dielectric Strength	19	kV/mm
Dielectric Constant (1 kHz)	5.80	
Dissipation Factor (1 kHz)	0.055	
Thermoset	Nominal Value	
Thermoset Components		
Hardener	Mix Ratio by Weight: 140	
Resin	Mix Ratio by Weight: 100	
NOTE		
1.	Hardener	

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