

Product Data

Silicone Conformal Coating ECC3010

ECC3010 is one-component, low viscosity silicone conformal coating that cures on exposure to atmospheric moisture to form an elastomer.

KEY FEATURES

- ◆ Fast tack-free time
- ◆ Low viscosity (Solventless)
- ◆ Non-corrosive to metals
- ◆ Low odor cure: releases an alcohol vapor during cure
- ◆ Contains UV indicator for ease in inspection under black light
- ◆ Flame retardant: UL94V-0 recognized (File No. E135148)

APPLICATIONS

- ◆ Conformal coating of electrical and electronic parts
- ◆ Moistureproof coating of circuit boards
- ◆ Thin section potting of electrical and electronic parts

TYPICAL PROPERTY DATA

UNCURED PROPERTIES		
Appearance		Translucent, flowable
Viscosity (23°C)	mPa·s {cP}	110 {110}
Tack-free time* (23°C, 50%RH)	min	3
Cure Time* min	23°C, 50%RH	10
	60°C, 15%RH	2
CURED PROPERTIES (3days @ 23°C, 50% RH)		
Appearance		Translucent, elastomer
Density	g/cm ³	0.99
Hardness (Type A)		35
Volume resistivity	Ω·cm	1×10 ¹⁵
Dielectric strength	kV/mm	20
Dielectric constant (60Hz)		2.78
Dielectric loss (60Hz)		0.001

*Thickness: 100μm

Typical property data values should not be used as specifications.

HANDLING AND SAFETY

- ◆ Thoroughly clean the substrate with a suitable solvent and allow to dry completely before applying.
- ◆ Wear eye protection and protective gloves as required while handling the product.
- ◆ Use the product in a well ventilated area.

STORAGE

- ◆ Store in a cool, dry place out of direct sunlight.
- ◆ Keep out of the reach of children.

PACKAGING

- ◆ 1kg can available in cases of 10
- ◆ 18kg drum available

Issued Apr. 2008

FOR INDUSTRIAL USE ONLY

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