

SC-102 Silicone Coating

PROVISIONAL TDS

SC102 is a 100% solids silicone conformal coating, specifically designed for the protection of electronic circuitry. The coating does not contain any solvents and can cure at room temperature for ease of processing. SC102 is a soft conformal coating, ideally suited for applications with delicate components.

- 100% solids coating, no volatile solvent; operator and environmentally friendly
- Soft conformal coating; ideal for applications with delicate components
- Room temperature cure and fast touch dry time; aids efficient application processes
- Very wide operating temperature range; particularly suited to high temperature applications

Approvals	RoHS-2 Compliant (2011/65/EU): REACH Compliant: IPC-CC-830: MIL-I-46058C:	Yes Yes Meets Approval Meets Approval
Liquid Properties	Appearance: Density @ 20°C: Flash Point: Solids content: Viscosity @ 20°C (mPa s): Touch Dry Time at 20°C: Recommended Drying Time: UV Trace:	Translucent liquid 1.0 g/ml None 100% 500 <10 minutes 24 Hours @ 20°C Yes
Dry Film Coating	Colour: Temperature Range: Flammability: Moisture Resistance: Dielectric Strength: Surface Insulation Resistance:	Clear -65 to 200°C Meets UL94 V-0 > 1 x 10 ¹⁵ Ω 17 kV/mm 1 x 10 ¹⁵ Ω

Directions for Use

SC102 requires atmospheric moisture to cure. The time required to cure is dependent on the method of application, film thickness temperature and humidity. During storage, containers should be kept tightly sealed and the head space purged with dry nitrogen to avoid moisture contamination.

Inspection

SC102 contains a UV trace, which allows inspection of the PCB after coating to ensure complete and even coverage; the stronger the reflected UV light, the thicker the coating layer is.

Revision 1: Nov 2017