

TECHNICAL DATA SHEET

QLE 1050SB Self-Bonding, Addition Cure, One Part Coating

Description

This is a 100% silicone solids, one part elastomer designed for use as a conformal coating, but can also be used for cloth coating applications.

Key Features

- 100% solids
- Transparent, ideal for pigmentation
- Fast cure at elevated temperatures
- Self-bonding to a variety of substrates

Application

Conformal coating for PCB's and cloth coating

CURE PROFILE	
Temperature	Time
200°C	2 minutes
150°C	5 minutes
130°C	7 minutes

Property

Uncured Product

Color

Cure Type

Rheology

Specific Gravity

Viscosity

Test Method

Brookfield

Value

Clear to light brown

Addition

Liquid

0.97

500 cP

Cured Product

30 minutes at 120°C

Hardness Shore A

Max Working Temp

Min Working Temp

Refractive Index

Thermal Conductivity

ASTM D 2240-95 30

204 °C / 399 °F

-55 °C / -67 °F

1.40

0.14 W/mK

Storage

Max Storage Temperature

Shelf Life

4.4 °C / 40 °F

12 mths

Use and Cure Information

This material is a one-component, translucent, heat-cured silicone elastomer. The material should only be used on clean surfaces to maximize adhesion properties. In addition, some substrates may be difficult to bond to and some, such as galvanized metal, may cause cure inhibition. A primer can be used to eliminate this problem.

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