

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

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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Property

Uncured Product

Color

Clear to light brown

Cure Type

Addition

Rheology

Liquid

Specific Gravity

0.97

Viscosity

Brookfield

500 cP

Cured Product

30 minutes at 120°C

Hardness Shore A

ASTM D 2240-95

30

Max Working Temp

204 °C / 399 °F

Min Working Temp

-55 °C / -67 °F

Refractive Index

1.40

Thermal Conductivity

0.14 W/mK

Storage

Max Storage Temperature

4.4 °C / 40 °F

Shelf Life

12 mths

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The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

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