

# 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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**CHT Germany GmbH:** Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany  
Telephone: 07071/154-0, Fax: 07071/154-290, Email: [info@cht.com](mailto:info@cht.com), Homepage: [www.cht.com](http://www.cht.com) / [www.cht-silicones.com](http://www.cht-silicones.com)