

# 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.

Revision Date 12 Oct 2021  
Revision No 3  
Download Date 14 May 2024

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet. CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time. 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.

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, Homepage: www.cht.com / www.cht-silicones.com