

# 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	Clear to light brown
Cure Type	Addition
Rheology	Liquid
Specific Gravity	0.97
Viscosity	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

### 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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