

## 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

#### Cured Product

##### 30 minutes at 120°C

Hardness Shore A  
Max Working Temp  
Min Working Temp  
Refractive Index  
Thermal Conductivity

#### Storage

Max Storage Temperature  
Shelf Life

### Test Method

Brookfield

ASTM D 2240-95 30

### Value

Clear to light brown  
Addition  
Liquid  
0.97  
500 cP

204 °C / 399 °F  
-55 °C / -67 °F  
1.40  
0.14 W/mK

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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