

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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