



Technical Data Sheet

QLE 1050SB

*Quantum Silicones' 30 Durometer Clear, Addition Cure,
1-part elastomer for Coating Applications*

Product Description

QLE 1050SB is a 100% silicone solids elastomer designed for use as a conformal coating.

Key Features

- 100% solids – no solvents
- Transparent, Ideal for pigmentation
- Fast cure at elevated temperatures
- Self-bonding to a variety of substrates

Typical Properties

Uncatalyzed Properties

Viscosity, cps	500
Appearance	Clear/Light Brown
Specific Gravity, g/cm ³	0.97

Catalyzed Properties (cured 10 min. @ 150C)

Durometer, Shore A	30
Thermal Conductivity W/mK	0.14
Refractive Index	1.40
Useful Temperature Range	-60C – 204C
Cure Conditions	Time
200C	2 minutes
150C	5 minutes
130C	7 minutes

Material Use

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. When this occurs, a primer can be used to eliminate this problem.

Storage and Shelf Life

QLE 1050SB should be stored in the original unopened container at <40F. It will remain useful for a period of 6 months if stored under those conditions.

Not for Product Specification

The technical data listed herein are provided as a reference only and are not intended as sales specifications. For sales and technical assistance or for product recommendations, please call 1-800-852-3147.

Quantum Silicones
8021 Reycan Rd
Richmond, VA 23237
Phone (804) 271-9010 Fax (804) 271-9055
Customer Service (800)852-3147
www.quantumsilicones.com