



Technical Data Sheet

Qle1051

*Quantum Silicones'70 Durometer, Addition Cure,
Self-Bonding, 1-part Siloxane Elastomer*

Product Description

Qle1051 is a 1-component, self-bonding elastomer that has excellent adhesion to many substrates and is designed for use in semiconductor applications.

Key Features

- 100% solids – no solvents
- Fast cure at elevated temperatures
- Cure 2 hours at 150C
- Primerless adhesion to many substrates
- Medium Viscosity
- Useful temperature range to 204C

Typical Properties

Uncatalyzed Properties

Viscosity, cps	14,500
Appearance	White
Specific Gravity, g/cm ³	1.50

Catalyzed Properties (cured 1hours @ 150C)

Durometer, Shore A	75
Tensile, psi	900
Elongation, %	100
Useful Temperature Range	-60C – 204C

Volume Resisitivity, ohm-cm	7 X E14
Dissipation Factor, 1K Hz	0.017
Dielectric Constant, 1K Hz	2.8

The times and temperatures listed above are reported with regard to full property formation and maximum adhesion to Aluminum. Other substrates may require modified cure times/temperatures to obtain maximum adhesion.

Material Use

This material is a one-component, white, 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

Qle1051 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 is provided as a reference only and is not intended as sales specifications. For sales and technical assistance or for product recommendations, please call 1-800-852-3147.

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