



Technical Data Sheet

QLE 1100

*Quantum Silicones' 43 Durometer Clear, Addition Cure,
1-part elastomer for Coating Applications*

Product Description

QLE 1100 is a 100% silicone solids elastomer designed for use as a conformal coating but can also be used for cloth coating applications

Key Features

- 100% solids – no solvents
- Transparent, Ideal for pigmentation
- Fast cure at elevated temperatures
- Good abrasion resistance
- Primerless adhesion to many substrates
- Low Viscosity

Typical Properties

Uncatalyzed Properties

Viscosity, cps	1,000
Appearance	Clear/Light Brown
Specific Gravity, g/cm ³	1.01

Catalyzed Properties (cured 30 min. @ 150C)

Durometer, Shore A	43
Tensile, psi	90
Elongation, %	50
Useful Temperature Range	-60C – 204C
Cure Conditions	
200C	5 minutes
150C	30 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 1100 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.

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