



## Technical Data Sheet

### **QLE 1050**

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

#### **Product Description**

QLE 1050 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

#### **Typical Properties**

##### Uncatalyzed Properties

Viscosity, cps	500
Appearance	Clear/Light Brown
Specific Gravity, g/cm <sup>3</sup>	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	Gel Time
200C	15 seconds
150C	<60 seconds

## **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 1050 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](http://www.quantumsilicones.com)