



## Technical Data Sheet

### QLE 1101

Specialty Silicone Coating

#### **Product Description**

Quantum Silicones' QLE 1101 is a low viscosity, two-component, addition cure, silicone elastomer.

#### **Key Features**

- Low viscosity
- Fast cure at high temperatures
- Low linear shrinkage
- Transparent, ideal for pigmentation

#### **Typical Properties**

<b>Uncatalyzed Properties</b>		
	<b>"A" Component</b>	<b>"B" Component</b>
Appearance	Transparent	Transparent
Viscosity, cps	2,000	2,000
Specific Gravity	1.02	1.02

<b>Catalyzed Properties</b>	
Mix Ratio	1:1
Pot Life, 25°C	180 minutes
Cure Time	10 min @ 150°C 30 min @ 100°C
Durometer	45
Tensile Strength, psi	800
Elongation, %	300
Thermal Conductivity W/mK	0.18
Refractive Index	1.40
Useful Temperature Range	-50 to 200C

## **Instructions for use**

### **Mixing**

Mix equally and thoroughly by weight or volume. Once the components are mixed the curing process begins. The pot life of the mixed material is shown under typical properties.

### **De-aeration**

Air trapped during mixing should be removed to eliminate voids in the cured product. Vacuum de-airing may be necessary to completely remove all entrapped air bubbles. To insure proper de-airing, subject the mixed material to 29 inches of mercury.

### **Storage and shelf life**

QLE 1101 should be stored in the original unopened container at 25C (77F). QLE 1101 will remain useful for a period of 12 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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