



# Technical Data Sheet

## QLE 1031

25 Shore A, Clear, Addition Cure Elastomer for Coating Applications

### PRODUCT DESCRIPTION

QLE 1031 is a 100% silicone solids elastomer designed for fabric or cloth coating applications. This two-component system offers a tough coating with excellent adhesion and fast cure.

### KEY FEATURES

- 100% solids
- Long open time
- Excellent adhesion

### TYPICAL PROPERTIES

UNCATALYZED		
PROPERTY	QLE 1031 A	QLE 1031 B
Appearance	White	Clear
Viscosity	25,000 cps	1,200 cps
Specific Gravity	1.18	0.97
Mix Ratio by weight, A:B	10:1	

CATALYZED	
MIX RATIO 10:1 by weight	
Gel time at 25°C *	> 72 hours

\* Gel time is defined as the time required for the material to become a solid or a semi-solid.

CURED PROPERTIES**	
20 minutes @ 150°C	
PROPERTY	RESULT
Durometer, Shore A	25
Tensile	250 psi
Elongation	150 %

\*\* For physical property testing, these materials have been cured in a closed mold at extended times to ensure full cure. When cured in an open environment, the cure time will be faster than in a closed mold, at the same temperatures. It is recommended that the material cure profile be optimized for the environment it will ultimately be used in.



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### **MIXING**

In order to achieve optimum performance the same lot number of QLE 1031 A and QLE 1031 B should be used.

#### **Mixing by hand:**

Catalyze QLE 1031 A with QLE 1031 B at a 10:1 ratio by weight using a clean plastic or metal container of approximately 3 times the volume of the material and mix by hand. Accurate weighing of all components, on a suitable scale, is essential for optimal product performance when mixing by hand. Mix until the material is uniform with no visible striations.

#### **Mixing and dispensing with automatic equipment:**

Use a mixing system that will properly mix the QLE 1031 A and QLE 1031 B at a 10:1 ratio by weight.

### **DE-AERATION**

Air trapped during mixing should be removed by vacuum at 29 inches of mercury. During the process the material will expand and intermittent evacuation may be required.

Machine mixed material does not normally need to be de-aired.

### **STORAGE AND SHELF LIFE**

If QLE 1031 A and QLE 1031 B are stored in their original, unopened containers, in an environment that does not exceed 38°C (100°F) then QSi will warranty the material for a period of 12 months from the date of shipment.



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### **DISCLAIMER**

The technical data listed is provided for reference only and is not intended as product specifications. QSi has the capability to customize products as requested. For sales and technical assistance please contact customer service at **(804) 271-9010** or **1-800-852-3147**.

This material is intended for industrial use only.

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