



Technical Data Sheet

8021 Reycan Road
Richmond, VA 23237
Phone: 804-271-9010
FAX: 804-271-9055
Toll free: 800-852-3147

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. The two component system offers tough coating, excellent adhesion and fast cure.

KEY FEATURES

- 100% solids
- Long gel time
- Excellent adhesion

TYPICAL PROPERTIES

UNCATALYZED		
PROPERTY	QLE 1031A	QLE 1031B
Appearance	White	Clear
Viscosity	25,000 cps	1,200 cps
Specific Gravity	1.18 g/cm ³	0.97 g/cm ³

CATALYZED	
MIX RATIO 10:1 by weight	
Gel time*	> 72 hours

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

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



Technical Data Sheet

8021 Reycan Road
Richmond, VA 23237
Phone: 804-271-9010
FAX: 804-271-9055
Toll free: 800-852-3147

MIXING

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

Mixing by hand

Catalyze QLE 1031A with QLE 1031B 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. When hand mixing; accurate weighing of components on a suitable scale is essential for optimal product performance. 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 1031A and QLE 1031B 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 1031A and QLE 1031B are stored in an environment that does not exceed 25C (77F) then QSi will warranty the material for a period of 12 months from the date of shipment

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**.

Visit our website at www.quantumsilicones.com.