



Technical Data Sheet

QLE 1037

60 Shore A, Addition Cure Elastomer for Coating Applications

PRODUCT DESCRIPTION

QLE 1037 is a 100% silicone solids elastomer designed for fabric or cloth coating applications. This two-component system offers a tough coating with excellent adhesion, physical properties and fast cure.

KEY FEATURES

- 100% solids
- Long open time
- Excellent adhesion
- Tough, resilient coating

TYPICAL PROPERTIES

UNCATALYZED		
PROPERTY	QLE 1037 A	QLE 1037 B
Appearance	Beige	Beige
Viscosity	160,000 cps	92,000 cps
Specific Gravity	1.32	1.25
Mix ratio by weight, A:B	1:1	

CATALYZED	
MIX RATIO 1:1 by weight	
Gel time at 25°C *	> 24 hours

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

CURED PROPERTIES**	
30 minutes @ 150°C	
PROPERTY	RESULT
Durometer, Shore A	61
Tensile	830 psi
Elongation	190 %

** 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 1037 A and QLE 1037 B should be used.

Mixing by hand:

Catalyze QLE 1037 A with QLE 1037 B at a 1:1 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 1037 A and QLE 1037 B at a 1:1 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 1037 A and QLE 1037 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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Quantum Silicones Headquarters

*7820 Whitepine Road
Richmond, VA 23237*

Manufacturing, Research and Development Facility

*8021 Reygan Road
Richmond, VA 23237*

Phone: 804-271-9010

Fax: 804-271-9055

Toll Free: 800-852-3147