



Technical Data Sheet

QLE 1033

30 Shore A, Addition Cure Elastomer for Coating Applications

PRODUCT DESCRIPTION

QLE 1033 is a 100% silicone solids elastomer designed for fabric or cloth coating applications. This two-component system offers a tough coating with excellent adhesion.

KEY FEATURES

- 100% solids
- Long open time
- Excellent adhesion

TYPICAL PROPERTIES

UNCATALYZED		
PROPERTY	QLE 1033 A	QLE 1033 B
Appearance	White/Beige	Red
Viscosity	70,000 cps	2,000 cps
Specific Gravity	1.21	1.34
Mix ratio by weight	10:1	

CATALYZED	
MIX RATIO 10:1 by weight	
Catalyzed viscosity	46,000 cps
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**	
60 minutes @ 150°C	
PROPERTY	RESULT
Durometer, Shore A	33
Tensile	228 psi
Elongation	324 %

** 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 1033 A and QLE 1033 B should be used.

QLE1033B should be thoroughly mixed prior to use to ensure the pigment is fully incorporated. Inadequate mixing can result in color and cure variation.

Mixing by hand:

Catalyze QLE 1033 A with QLE 1033 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 1033 A and QLE 1033 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 1033 A and QLE 1033 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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