Technical Data Sheet

QLE 1035

38 Shore A, Addition Cure Elastomer for Coating Applications

PRODUCT DESCRIPTION

QLE 1035 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
- Tough, resilient coating

TYPICAL PROPERTIES

UNCATLYLZED		
PROPERTY	**QLE 1035 A**	**QLE 1035 B**
Appearance	White	Clear
Viscosity	18,000 cps	800 cps
Specific Gravity	1.34	0.98
Mix ratio by weight, A:B	10:1	

CATALYZED	
MIX RATIO 10:1 by weight	
Gel time at 25°C *	23 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	46
Tensile	200 psi
Elongation	170 %

** 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.

MIXING

In order to achieve optimum performance the same lot number of QLE 1035 A and QLE 1035 B should be used.

Mixing by hand:

Catalyze QLE 1035 A with QLE 1035 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 1035 A and QLE 1035 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 1035 A and QLE 1035 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**.

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