



Technical Data Sheet

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

QLE 1020

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

PRODUCT DESCRIPTION

QLE 1020 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
- Clear but can be tinted
- Good abrasion resistance

TYPICAL PROPERTIES

| UNCATALYZED | | |
|------------------|------------------------|------------------------|
| PROPERTY | QLE 1020A | QLE 1020B |
| Appearance | Clear | Clear |
| Viscosity | 50,000 cps | 6,000 cps |
| Specific Gravity | 1.02 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 | 45 |
| Tensile | 500 psi |
| Elongation | 260% |
| Tear | 50 ppi |



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 1020A and QLE 1020B should be used.

Mixing by hand

Catalyze QLE 1020A with QLE 1020B 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 1020A and QLE 1020B 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 1020A and QLE 1020B 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.