



Technical Data Sheet

QSi 1001

*Quantum Silicones' 35 Durometer White, Addition Cure,
Self-Bonding, 1-part Siloxane Elastomer*

Product Description

Quantum Silicones QSi 1001 is a flowable, one-component, addition cure, self-bonding silicone elastomer. This material has excellent adhesion to many substrates.

Key Features

- Excellent thermal stability
- Fast cure at high temperatures
- Primerless adhesion to many substrates
- Low linear shrinkage

Uncured Properties

Viscosity, cps	17,000
Appearance	White
Specific Gravity, g/cm ³	1.16

Catalyzed Properties (cured 30 min. @ 150C)

Durometer, Shore A	35
Tensile, psi	325
Elongation, %	265
Useful Temperature Range	-60C – 204C
Adhesion	Cohesive failure to Aluminum

Cure Conditions	
200C	20 minutes
150C	40 minutes
100C	60 minutes

Material Use

This material is a one-component, heat-cured silicone elastomer that has good adhesion to metal, glass-fiber reinforced plastics as well as other substrates. The material should only be used on clean surfaces to maximize adhesion properties. In addition, some substrates may be difficult to bond to and some, such as galvanized metal, may cause cure inhibition. When this occurs, a primer can be used to eliminate this problem.

Storage and Shelf Life

The material has a shelf-life of 6 months in an unopened container stored at <40F. However, the material can be used after 6 months if it is not gelled or contaminated. The material can be used in thin and thick section as long as all material is exposed to sufficient temperature to cause full cure.

This material can also be machine or hand dispensed and if it has been sitting for more than 3-5 months it should be thoroughly mixed prior to use.

Not for Product Specification

The technical data listed herein is provided as a reference only and is not intended as sales specifications. For sales and technical assistance or for product recommendations, please call 1-800-852-3147.

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