



Technical Data Sheet

QSi 601

Quantum Silicones' 2-Part
Addition Cure Silicone Adhesive Elastomer

Product Description

QSi 601 is a 2-part, addition cure silicone elastomer that has excellent adhesion to a wide variety of substrates, including glass, polycarbonate and acrylic, when used with QSi Primer #5.

Key Features

- 100% solids – no solvents
- Good Physical Properties
- Good adhesion to a variety of substrates

Typical Properties

Uncatalyzed Properties

	“A” component	“B” component
Viscosity, cps	Paste	5,000cps
Appearance	Beige	Black
Specific Gravity	1.27	1.03
Mix Ratio(A:B)	10:1	
Pot Life	90 minutes (Gel Time)	

Catalyzed Properties (cured 24 hours @ 25C)

Durometer, Shore A	69
Tensile Strength, psi	971
Elongation, %	225
Tear B, ppi	135
Adhesion to Polycarbonate, lap shear, psi	408
Peal Failure	>95% Cohesive

Adhesion – Ensure that the surface is clean and free of any foreign substances. For best results, clean the surface of the substrate to be adhered to with a suitable solvent.

Mixing

Thoroughly mix both A and B components prior to mixing together. Use of mixing equipment is recommended for this grade.

Mixing by hand

Combine 10 parts of A and 1 part of B component by weight and stir until completely mixed. Use care when mixing to minimize air entrapment.

Mixing and dispensing with automatic equipment

Use properly ratioed equipment for a 10:1 mix ratio. Also use a mixing system that will properly mix A and B components. Once mixed properly the material will have a pot life of approximately 90 minutes.

Storage and Shelf Life

QSil 601 should be stored in the original unopened containers at 25C (77F). It will remain useful for a period of 6 months if stored under those conditions.

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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