



Technical Data Sheet

QSi 563

Quantum Silicones' Silicone Potting Material

Product Description

QSi 563 is a 100% silicone solids elastomer designed for electronic potting applications. This two component system offers a hard, thermally conductive, low modulus material that is readily repairable.

Key Features

- 100% solids – no solvents
- Excellent Thermal conductivity

Typical Properties

Uncatalyzed Properties

Properties	“A” Component	“B” Component
Viscosity, cps	5,000	5,000
Apperance	White	Yellow
Specific Gravity, g/cm ³	2.05	2.05
Mix Ratio	1.1	
Pot Life(Gel Time)	2-3 Hours	

Catalyzed Properties (cured 15 minutes @ 150C)

Durometer, shore A	45
Tensile, psi	150
Elongation, %	70

Flammability(based on similar product performance)

UL 94 *	
3.0mm	V-0
1.5mm	V-1

Thermal conductivity

W/m K ~0.88

Mixing

Thoroughly stir both A and B components prior to mixing together.

Mixing by hand

Combine equal parts of A and 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 1:1 mix ratio. Also use a mixing system that will properly mix A and B components. Once mixed properly the material will have a 120-180 minute pot life.

Storage and Shelf Life

QSil 563 should be stored in the original unopened container at 25C (77F). It will remain useful for a period of 12 months if stored under those conditions and each component should be thoroughly mixed before 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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