



# Technical Data Sheet

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## QSi 266

### Addition Cure Potting Material

#### PRODUCT DESCRIPTION

QSi 266 is a two component 100% silicone solids elastomer designed for electronic potting applications. The 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		
TEST	QSi 266A	QSi 266B
Appearance	Brown	Brown
Viscosity	100,000 cps	100,000 cps
Specific Gravity	2.10	2.19

CATALYZED	
MIX RATIO 1:1	
TEST	RESULT
Gel time*	> 24 hours

\*Gel time is defined as the time required for the material to become a solid or semi-solid. .

CURED PROPERTIES	
15 Minutes at 150C	
TEST	RESULT
Durometer, Shore A	60
Tensile	200 psi
Elongation	75%

ADDITIONAL PROPERTIES	
Thermal conductivity	~ 0.84 W/m- K
Flammability (based on similar product performance)	3.00 mm V-0
	1.5 mm V-1
Useful Temperature range	-55 – 204C



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### MIXING

Thoroughly mix QSi 266A and QSi 266B prior to catalyzation.

Combine equal parts of QSi 266A and QSi 266B by weight into a clean, compatible container and mix by hand or with mixing equipment until a uniform consistency is observed. The material should have a uniform color with no visible striations. Use caution when mixing to minimize air entrapment.

### 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. Typically after releasing the vacuum 2-3 times the mass will collapse on itself at which time the vacuum should be left on for an additional 2-4 minutes.

### STORAGE AND SHELF LIFE

If QSi 266A and QSi 266B are stored in their original unopened containers, in an environment that does not exceed 38C (100F) 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](http://www.quantumsilicones.com).*