



Technical Data Sheet

QSi 567

Addition Cure Potting Material

PRODUCT DESCRIPTION

QSi 567 is a 100% silicone solids elastomer designed for electrical potting applications. The two-component system offers a hard, thermally conductive material that is readily repairable.

KEY FEATURES

- 100% solids
- Room temperature cure

TYPICAL PROPERTIES

UNCATALYZED		
PROPERTY	QSi 567 A	QSi 567 B
Appearance	White	Black
Viscosity	1,500 cps	1,140 cps
Specific Gravity	1.37	1.39

CATALYZED	
MIX RATIO 1:1	
Catalyzed viscosity at 25°C	2,000 cps
Catalyzed viscosity at 40°C	2,500 cps

CURED PROPERTIES	
20 minutes at 150°C	
PROPERTY	RESULT
Durometer, Shore A	58
Tensile	310 psi
Elongation	85 %
Tear	18 ppi
Young's modulus	425 psi

ELECTRICAL PROPERTIES	
PROPERTY	RESULT
Dielectric constant @ 1000Hz	3.12
Volume resistivity	1.47×10^{15} ohm-cm
Dissipation factor	0.003

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



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THERMAL PROPERTIES **	
PROPERTY	RESULT
Thermal conductivity**	0.37 W/m-K
Useful temperature range	- 55 – 204C

** Results based on similar material.

MIXING

In order to achieve optimum performance the same lot number of QSi 567 A and QSi 567 B should be used.

QSi 567 A and QSi 567 B should be thoroughly mixed prior to catalyzation.

Mixing by hand:

Catalyze QSi 567 A with QSi 567 B at a 1:1 ratio by weight using a clean plastic or metal container of approximately 3 times the volume of the material and mix by hand. Accurate weighing of all components, on a suitable scale, is essential for optimal product performance when mixing by hand.

Mixing and dispensing with automatic equipment:

Use a mixing system that will properly mix the QSi 567 A and QSi 567 B at a 1:1 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 QSi 567 A and QSi 567 B are stored in their original unopened containers, in an environment that does not exceed 38°C (100°F) then QSi will warranty the material for a period of 12 months from the date of shipment.



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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**.

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