

## ACC QSi 550 QSI Quantum Silicones Silicone Potting Material

Category : Polymer , Thermoset , Silicone

### Material Notes:

QSi 550 is a 100% silicone solids elastomer designed for electrical potting applications. The two-component system offers a hard, thermally conductive, low modulus material that is readily repairable. Key Features: 100% solids Long gel time Good elongation Low modulus Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ACC-QSi-550-QSI-Quantum-Silicones-Silicone-Potting-Material.php](http://www.lookpolymers.com/polymer_ACC-QSi-550-QSI-Quantum-Silicones-Silicone-Potting-Material.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	"B" component
	1.41 g/cc	1.41 g/cc	"A" component
Viscosity	4000 cP	4000 cP	"B" component
	4000 cP	4000 cP	"A" component
Storage Temperature	<= 38.0 °C	<= 100 °F	12 months

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	cured 7 mins @ 150°C
Tensile Strength, Yield	3.52 MPa	511 psi	cured 7 mins @ 150°C
Elongation at Break	150 %	150 %	cured 7 mins @ 150°C
Tear Strength	5.78 kN/m	33.0 pli	cured 7 mins @ 150°C

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.370 W/m-K	2.57 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	204 °C	399 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.47e+15 ohm-cm	1.47e+15 ohm-cm	
Dielectric Constant	3.1	3.1	

Electrical Properties	@Frequency 1000 Hz Metric	@Frequency 1000 Hz English	Comments
Dissipation Factor	0.0030	0.0030	

Processing Properties	Metric	English	Comments
Gel Time	130 min	130 min	

Descriptive Properties	Value	Comments
Color	Beige	"A" component
	Black	"B" component

## Contact Songhan Plastic Technology Co.,Ltd.

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