

ACC QSi 550R QSI Quantum Silicones Silicone Potting Material

Category : Polymer , Thermoset , Silicone

Material Notes:

QSi 550R is a 100% silicone solids elastomer designed for electronic potting applications. The two-component system offers a hard, thermally conductive, low modulus material that is readily repairable. Key Features: 100% solids - no solvents Long pot life 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-550R-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	3.45 MPa	500 psi	cured 7 mins @ 150°C
Elongation at Break	120 %	120 %	cured 7 mins @ 150°C
100% Modulus	0.00207 GPa	0.300 ksi	cured 7 mins @ 150°C
Tear Strength	3.51 kN/m	20.0 pli	cured 7 mins @ 150°C

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.370 W/m-K	2.57 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	204 °C	399 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Flammability, UL94	V-1	V-1	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.26e+15 ohm-cm	3.26e+15 ohm-cm	
Dielectric Constant	3.4	3.4	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dissipation Factor	0.00600	0.00600	

Processing Properties	Metric	English	Comments
Pot Life	>= 30 min	>= 30 min	customized cure available

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China