

ACC QSiil 551 QSI Quantum Silicones Silicone Potting Material (discontinued **)

Category : Polymer , Thermoset , Silicone

Material Notes:

Part of the Amber Chemical Group. Data provided by manufacturer.Characteristics: 100% solid, long pot life, low modulus, good elongation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-QSiil-551-QSI-Quantum-Silicones-Silicone-Potting-Material-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	"B" component
	1.40 g/cc	1.40 g/cc	"A" component
Viscosity	3000 cP	3000 cP	"B" component
	4000 cP	4000 cP	"A" component

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	catalyzed
Tensile Strength, Yield	>= 1.70 MPa	>= 247 psi	catalyzed
Elongation at Break	>= 200 %	>= 200 %	catalyzed
100% Modulus	>= 0.00103 GPa	>= 0.150 ksi	catalyzed
Tear Strength	>= 2.63 kN/m	>= 15.0 pli	catalyzed

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.370 W/m-K	2.57 BTU-in/hr-ft ² -°F	
Flammability, UL94	V-1	V-1	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.60e+14 ohm-cm	2.60e+14 ohm-cm	
Dielectric Constant	2.9	2.9	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Dielectric Strength Electrical Properties	17.50 kV/mm Metric	444.5 kV/in English	Comments
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Processing Properties	Metric	English	Comments
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Pot Life	>= 120 min	>= 120 min	
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Descriptive Properties	Value	Comments
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Color	Beige	"A" component
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	Black	"B" component
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