

ACC QGel 311 QSI Quantum Silicones General Purpose Silicone Gel

Category : Polymer , Thermoset , Silicone

Material Notes:

QGel 311 is a clear, fast cure, tough moderately cross-linked silicone polymer. Silicone gels are used to provide protection from vibration and thermal or mechanical shock. Silicone gels also provide excellent moisture protection. Key Features: 90 minute room temperature cure One to one mix ratio 5 minute cure @ 150°C Soft but resilient gel Designed for automatic mixing and dispensing Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-QGel-311-QSI-Quantum-Silicones-General-Purpose-Silicone-Gel.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	"B" component
	0.970 g/cc	0.970 g/cc	"A" component
Viscosity	1000 cP	1000 cP	"B" component
	1000 cP	1000 cP	"A" component
Storage Temperature	<= 38.0 °C	<= 100 °F	12 months

Mechanical Properties	Metric	English	Comments
Penetration	5.0 - 9.0	5.0 - 9.0	mm, 30 mins @ 150°C

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	5.000000 min	0.08333334 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	10.000000 min	0.16666667 hour	
	@Temperature 100 °C	@Temperature 212 °F	
	90.0 min	1.50 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Gel Time	3.00 min	3.00 min	

Descriptive Properties	Value	Comments
Color	Transparent	"A" component
	Transparent	"B" component

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