

ACC QGel 301 QSI Quantum Silicones High Strength Gel

Category : Polymer , Thermoset , Silicone

Material Notes:

QGel 301 is a clear, very soft, tough, moderately cross-linked, silicone polymer. Silicone gels are used to provide protection from vibration, thermal or mechanical shock. Silicone gels also provide excellent moisture protection. Key Features: Soft, with considerably higher strength than general purpose gels One to one mix ratio 24 hour room temperature cure Fast 30 minute gel time at room temperature Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-QGel-301-QSI-Quantum-Silicones-High-Strength-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	"A" component
	2000 cP	2000 cP	"B" 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	204 °C	399 °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	20.0 - 30.0 min	20.0 - 30.0 min	

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

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