

ACC QSiil 60 QSI Quantum Silicones 50 Durometer Condensation Cure for Potting

Category : Polymer , Thermoset , Silicone

Material Notes:

QSiil 60 is a red, high temperature, self-leveling, two-component, silicone material primarily used for potting applications. The two applicable catalysts are 0.5% DBT by weight and 10% Deep Section Catalyst by weight. The 0.5% catalyst level can be increased or decreased to obtain desired cure speed. Cure speed can be accelerated by adding DBT catalyst in increments of 0.1%. QSiil 60 can be catalyzed with 10% Deep Section Catalyst for application requiring a deeper cure. The material can also be vulcanized at elevated temperatures to increase cure speed. Key Features: Excellent thermal stability Self-leveling Variable cure speed Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-QSiil-60-QSI-Quantum-Silicones-50-Durometer-Condensation-Cure-for-Potting.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	uncatalyzed, DBT Catalyst
	1.47 g/cc	1.47 g/cc	uncatalyzed, Deep Section Catalyst
	1.48 g/cc	1.48 g/cc	catalyzed
	1.49 g/cc	1.49 g/cc	uncatalyzed
Viscosity	6500 cP	6500 cP	uncatalyzed, Deep Section Catalyst
	55000 cP	55000 cP	
Storage Temperature	<= 4.00 °C	<= 39.2 °F	12 months
	5.00 - 27.0 °C	41.0 - 80.6 °F	3 months

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	catalyzed, 24 hours

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	continuously and up to 316°C (600°F) intermittently
Minimum Service Temperature, Air	-54.0 °C	-65.2 °F	

Processing Properties	Metric	English	Comments
Gel Time	45.0 min	45.0 min	

Descriptive Properties	Value	Comments
Color	Red	

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