

ACC QM 264 QSI Quantum Silicones 60 Durometer Addition Cure Moldmaking Material

Category : Polymer , Thermoset , Silicone

Material Notes:

QM 264 is a two component, room temperature addition cure silicone material. The cured rubber has excellent mechanical properties, good shelf-life stability, excellent physical properties and resin resistance. This material is a good choice for the molding of furniture, picture frames and architectural materials. QM 264 is exceptionally good where high durometer and dimensional stability are required. Material complies with FDA indirect food contact regulation CFR 177.2600. Key Features: High Durometer Casting resin resistance Fast demold time Excellent dimensional stability Main Applications: Molds for architectural replication Molds for polyester, epoxy resin casting, and rigid or foam polyurethane Molds for technical articles and prototype Molds for furniture and picture frame replication Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-QM-264-QSI-Quantum-Silicones-60-Durometer-Addition-Cure-Moldmaking-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	Uncatalyzed, QM 264B
	1.28 g/cc	1.28 g/cc	Base
Viscosity	5200 cP	5200 cP	Uncatalyzed, QM 264B
	110000 cP	110000 cP	catalyzed with QM 264B
	150000 cP	150000 cP	Base
Linear Mold Shrinkage	<= 0.0010 cm/cm	<= 0.0010 in/in	cured 72 hrs @ RT
Storage Temperature	<= 38.0 °C	<= 100 °F	12 months

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	cured 72 hrs @ RT
Tensile Strength, Yield	5.50 MPa	798 psi	cured 72 hrs @ RT
Elongation at Break	240 %	240 %	cured 72 hrs @ RT
Tear Strength	21.0 kN/m	120 pli	cured 72 hrs @ RT

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
Dry Time	12 - 18 hour	12 - 18 hour	Demold time, catalyzed with QM 264B

Descriptive Properties	Value	Comments
Color	Beige	Base
	Blue	Uncatalyzed, QM 264B
	Light Blue	catalyzed with QM 264B
Work Life	75 mins	catalyzed with QM 264B

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