

ACC QM 262F QSI Quantum Silicones 60 Durometer Addition Cure Moldmaking Material

Category : Polymer , Thermoset , Silicone

Material Notes:

QM 262F 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 262F is exceptionally good where high durometer and dimensional stability are required. 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-262F-QSI-Quantum-Silicones-60-Durometer-Addition-Cure-Moldmaking-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	Uncatalyzed, QM 262F B
	1.30 g/cc	1.30 g/cc	Base
Viscosity	2000 cP	2000 cP	Uncatalyzed, QM 262F B
	35000 cP	35000 cP	catalyzed with QM 262F B
	55000 cP	55000 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	6.98 MPa	1010 psi	cured 72 hrs @ RT
Elongation at Break	140 %	140 %	cured 72 hrs @ RT
Tear Strength	15.8 kN/m	90.0 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
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Processing Properties	3 - 5 hour Metric	3 - 5 hour English	Demold time, catalyzed with QM 262F Comments
Descriptive Properties	Value	Comments	
Color	Beige	Base	
	Blue	catalyzed with QM 262F B	
	Light Blue	Uncatalyzed, QM 262F B	
Work Life	30 mins	catalyzed with QM 262F B	

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