

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

Category : Polymer , Thermoset , Silicone

Material Notes:

QM262 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. QM262 is exceptionally good where high durometer and dimensional stability are required. Key Features: High Durometer Low Viscosity Casting resin resistance Fast demold time Excellent dimensional stability Main Applications: Molds for architectural replication Molds for polyester, epoxy resin casting 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-262-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 262B
	1.26 g/cc	1.26 g/cc	Base
Viscosity	2000 cP	2000 cP	Uncatalyzed, QM 262B
	35000 cP	35000 cP	catalyzed with QM 262B
	45000 cP	45000 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	6.89 MPa	999 psi	cured 72 hrs @ RT
Elongation at Break	150 %	150 %	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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Dry Time Processing Properties	8 - 12 hour Metric	8 - 12 hour English	Demold time, catalyzed with QM 262B Comments
Descriptive Properties	Value		Comments
Color	Beige		Base
	Blue		catalyzed with QM 262B
	Light Blue		Uncatalyzed, QM 262B
Work Life	60 mins		catalyzed with QM 262B

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