

ACC QM 135 QSI Quantum Silicones 35 Durometer Condensation Cured Moldmaking Material

Category : Polymer , Thermoset , Silicone

Material Notes:

QM 135 is a two-component, room temperature condensation cure silicone material. The cured rubber has excellent mechanical properties and good shelf-life stability. This material is an excellent choice for the molding of intricate patterns, skin molding and applications where high durometer, dimensional stability and extremely tough rubber are required. Key Features: Low viscosity High tear strength Fast demold time Excellent dimensional stability Main Applications: Molds for small statues and large statues Molds for polyester, polyurethane and epoxy resin castings 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-135-QSI-Quantum-Silicones-35-Durometer-Condensation-Cured-Moldmaking-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	Uncatalyzed, QM CAT 135
	1.11 g/cc	1.11 g/cc	catalyzed with QM CAT 135
Viscosity	150 cP	150 cP	Uncatalyzed, QM CAT 135
	31000 cP	31000 cP	catalyzed with QM CAT 135
	45000 cP	45000 cP	Base
Linear Mold Shrinkage	<= 0.0030 cm/cm	<= 0.0030 in/in	cured 72 hrs @ RT
Storage Temperature	<= 38.0 °C	<= 100 °F	6 months

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	35	35	cured 72 hrs @ RT
Tensile Strength, Yield	3.40 MPa	493 psi	cured 72 hrs @ RT
Elongation at Break	400 %	400 %	cured 72 hrs @ RT
Tear Strength	26.3 kN/m	150 pli	cured 72 hrs @ RT

Processing Properties	Metric	English	Comments
Dry Time	12 - 16 hour	12 - 16 hour	Demold time, catalyzed with QM CAT 135
Cure Time	240 - 360 min	4.00 - 6.00 hour	Tack Free Time, catalyzed with QM CAT 135

Descriptive Properties	Value	Comments
Color	Beige	Base
	Light Purple	catalyzed with QM CAT 135
	Purple	Uncatalyzed, QM CAT 135

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