

ACC QM Skin 30 QSI Quantum Silicones 30 Durometer Condensation Cure moldmaking Material

Category : Polymer , Thermoset , Silicone

Material Notes:

QM Skin 30 is a two-component, room temperature condensation cure silicone material. The cured rubber is very soft, has excellent mechanical properties and very low bleed in addition to good shelf-life stability. This material is an excellent choice for the molding of intricate patterns, skin molding and applications where low durometer, translucent material is required. Key Features: Low viscosity High elongation Excellent retention of additional fluid Fast demold time Translucent and pigmentable Main Applications: Special Effects Skin replication Applications where pigmentation is required Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-QM-Skin-30-QSI-Quantum-Silicones-30-Durometer-Condensation-Cure-moldmaking-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	Uncatalyzed, QM CAT SKIN 30
	1.12 g/cc	1.12 g/cc	Base
Viscosity	100 cP	100 cP	Uncatalyzed, QM CAT SKIN 30
	30000 cP	30000 cP	catalyzed with QM CAT SKIN 30
	50000 cP	50000 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	5.0	5.0	cured 72 hrs @ RT
Tensile Strength, Yield	2.40 MPa	348 psi	cured 72 hrs @ RT
Elongation at Break	1000 %	1000 %	cured 72 hrs @ RT
Tear Strength	16.7 kN/m	95.0 pli	B, cured 72 hrs @ RT

Processing Properties	Metric	English	Comments
Dry Time	16 - 24 hour	16 - 24 hour	Demold time, catalyzed with QM CAT SKIN 30
Cure Time	480 - 720 min	8.00 - 12.0 hour	Tack Free Time, catalyzed with QM CAT SKIN 30

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Translucent Value	Comments
	Translucent	Base
	Translucent	Uncatalyzed, QM CAT SKIN 30
Work Life	42 mins	catalyzed with QM CAT SKIN 30

Contact Songhan Plastic Technology Co.,Ltd.

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