

ACC QM 230 QSI Quantum Silicones 30 Durometer Addition Cure Moldmaking Material

Category : Polymer , Thermoset , Silicone

Material Notes:

QM 230 is a two component, room temperature addition cure silicone material. The cured rubber has excellent mechanical properties and good shelf-life stability. This material is a good choice for the molding of furniture, picture frames and architectural materials. QM 230 is exceptionally good where highly detailed parts and mold flexibility are required. Both QM 230B and QM 230B Clear comply with FDA indirect food contact regulation CFR 177.2600. Key Features: Low viscosity Fast demold time Casting resin resistance Excellent flexibility Main Applications: Molds for architectural replication Molds for polyester, polyurethane and epoxy resin castings Molds for technical articles and prototype Molds for furniture and picture frame replication Candy and other food molds Part of the Amber Chemical Group. Data provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ACC-QM-230-QSI-Quantum-Silicones-30-Durometer-Addition-Cure-Moldmaking-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	Uncatalyzed, QM 230A
	1.32 g/cc	1.32 g/cc	Base
Viscosity	2000 cP	2000 cP	Uncatalyzed, QM 230A
	10000 cP	10000 cP	catalyzed with QM 230B
	17000 cP	17000 cP	Base
Linear Mold Shrinkage	<= 0.0010 cm/cm	<= 0.0010 in/in	cured 72 hrs @ RT, catalyzed, QM 230B
Storage Temperature	<= 38.0 °C	<= 100 °F	12 months

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	cured 72 hrs @ RT, QM 230B Clear
	33	33	cured 72 hrs @ RT, catalyzed, QM 230A
Tensile Strength	2.96 MPa	429 psi	cured 72 hrs @ RT, catalyzed, QM 230A
Tensile Strength, Yield	3.90 MPa	566 psi	cured 72 hrs @ RT, QM 230B Clear
Elongation at Break	500 %	500 %	cured 72 hrs @ RT, catalyzed, QM 230A
	710 %	710 %	cured 72 hrs @ RT, QM 230B Clear

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	399 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	

Processing Properties	Metric	English	Comments
Dry Time	6 - 8 hour	6 - 8 hour	Demold time, catalyzed with QM 230B

Descriptive Properties	Value	Comments
Color	Beige	Base
	Blue	catalyzed with QM 230B
	Dark Blue	Uncatalyzed with QM 230B
Work Life	32 mins	catalyzed with QM 230B

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China