

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

Category : Polymer , Thermoset , Silicone

Material Notes:

QM 230F 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 230F is exceptionally good where highly detailed parts and mold flexibility are required. QM 230F has a shorter work life than QM 230 and QM 230 Clear. Material complies 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-230F-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 230F B
	1.32 g/cc	1.32 g/cc	Base
Viscosity	200 cP	200 cP	Uncatalyzed, QM 230F B
	10000 cP	10000 cP	catalyzed with QM 230F B
	17000 cP	17000 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	33	33	cured 72 hrs @ RT
Tensile Strength, Yield	2.90 MPa	421 psi	cured 72 hrs @ RT
Elongation at Break	500 %	500 %	cured 72 hrs @ RT

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	4 - 6 hour	4 - 6 hour	Demold time, catalyzed with QM 230F

Processing Properties	Metric	English	Comments
Descriptive Properties	Value	Comments	
Color	Beige	Base	
	Blue	catalyzed with QM 230F B	
	Dark Blue	Uncatalyzed, QM 230F B	
Work Life	12 min	catalyzed with QM 230F B	

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