



Experimental Data Sheet

QM Cat Red 3 SRII

Quantum Silicones Condensation Cure

Moldmaking Catalyst Designed for use with Polystyrene Casting Resins

Product Description

Quantum Silicones QM Cat Red 3 SR II is a two component, room temperature condensation cure catalyst for the QM 100 series. This catalyst has been designed specifically for use where a fast catalyst is needed when using polyester casting resins

Key Features

- Quick tack-free time
- Fast demold time
- Minimal impact on cured physical properties

Properties

Uncured Properties(Batch 031201)

Appearance	Red
Viscosity, cps	82
Specific gravity	1.0
Mix Ratio	10:1

Catalyzed Properties (10% Catalyst)

Pot Life	~5 minutes
Tack-free time	4-6 hours
Demold time	12-16 hours

Final Properties

See individual data sheets for QM 100 series

Cure Characteristics

The curing process begins as soon as the catalyst is mixed with the base. Under normal temperature (25C) and humidity (50% RH) conditions, the material will cure as described in the data above. Any large change in temperature (+/-5C) or humidity (>60-70%) may alter the cure profile of the material. In addition, if the product is to be used with aggressive resins such as high styrene polyester resin, it is recommended that the rubber be allowed to cure for 48 hours.

Mixing and De-aeration

The following procedure should be followed for obtaining optimal performance from the QM100 series.

Charge 95-100 parts, by weight, of QM100 series base and 10 parts, by weight, of Cat Red 3 SRII into a clean, compatible metal or plastic container. Mix thoroughly by hand or with mixing equipment while minimizing air entrapment until a homogeneous mixture is obtained. This will occur when the material takes on a uniform color with no visible striations. For best results, machine mixing is recommended.

Not for Product Specification

The technical data listed herein is provided as a reference only and **is not** intended as sales specifications. For sales and technical assistance or for product recommendations, please call 1-800-852-3147.

Shelf-life and Storage

QM 100 series base and Cat Red 3 SRII should be stored in their original, sealed containers in an environment that does not exceed 90° F. Under these conditions the expected shelf-life of the material is 6 months.

Quantum Silicones
8021 Reycan Rd
Richmond, VA 23237
Phone (804) 271-9010 Fax (804) 271-9055
Customer Service (800)852-3147
www.quantumsilicones.com