TECHNICAL DATA SHEET

QSil PLE
Cure Rate Modifier for Platinum Catalyzed Silicone Materials

Description

QSil PLE can be used with two-component, room temperature, addition cure silicone materials to increase the work life of the elastomer system. The final cure time may also be significantly increased.

Note: QSil PLE is not recommended to be used with the following products: QM 226, QM 230, QM 232, QM 230F, QM 237, QM 245, QM 247, QM 255 and Stretch FX.

Key Features

- Ease of use
- Increases work life
- Can be used with platinum (addition) cure silicone elastomers

Property	Test Method	Value
Uncured Product		
Appearance		**Clear**
Cure Type		**Addition**
Rheology		**Liquid**
Specific Gravity		**0.97**
Viscosity	Brookfield	**2 cP**
Storage		
Max Storage Temperature		**38 °C / 100 °F**
Shelf Life		**24 mths**

Use and Cure Information

CURE CHARACTERISTICS

It is highly recommended that a test batch be run before scaling up to larger quantities. Each silicone elastomer has unique curing profiles and most likely will require differing amounts of QSil PLE to get to the desired pot-life. A good starting point is as follows:

RATIO BY WEIGHT*			
Mix Ratio of System	**A component**	**B component**	**QSil PLE**
10:1	100	10	0.25
1:1	100	100	0.5

*Follow elastomer mix ratio instructions and pay special attention to mix ratio directions.

Some elastomers may require mixing by volume.

It is important to note that with most platinum cure systems, the longer work-time will also result in a longer time to total cure. The curing process begins as soon as the catalyst is mixed with the base and QSil PLE. Under normal temperature (25°C) and humidity (50% RH) conditions, the material will cure as described in the data above. Any large change in temperature (+/-5°C) or humidity (> 60% – 70%) may alter the cure profile of the material. In addition, if the product is to be used in a harsh environment or with aggressive resins such as high styrene polyester resins in moldmaking applications, it is recommended that the rubber be allowed to cure for 48 hours.

For best results, A and B components from the same lot number should be used.

Health & Safety

Safety Data Sheet available on request.

Revision Date 14 Oct 2021
Revision No 6
Download Date 03 Jul 2024

CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany
Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht-silicones.com