



CSD012-5M

Description: CSD012-5M is a filler dispersion used to extend most silicone HCRs.

Key Features:

- ◆ Helps reduce costs of final compound.
- ◆ Reduces the health and safety concerns of handling powder ground quartz.
- ◆ Can improve oil resistance.
- ◆ Easy to use on two-roll mills.
- ◆ Ability to modify material opaqueness without a high degree of whitening.

Property:

Typical Value:

- | | |
|--------------------|-------------------------|
| ◆ Classification | 5M - Ground Quartz Disp |
| ◆ Specific Gravity | 1.72 |
| ◆ Color | Off-White |
| ◆ Polymer Type | VMQ |

How To Use:

CSD012-5M should be added on a two-roll mill prior to curing. The dispersion can be used as little as 1.0 phr (to modify opaqueness) all the way to 100 phr.

Food-Grade Products:

The components of CSD012-5M are listed in 21 CFR 177.2600. This FDA regulation deals with rubber articles intended for repeated use in contact with food.

Storage and Shelf Life:

When stored at or below 32C (90F), this material has a shelf-life of 12 months from the date of manufacture.

Packaging:

CSD012-5M is supplied in 50lb boxes or 1000lb gaylords, net weight.

BENEFITS

- Easy to pigment.
- Easy storage.
- Fast and easy cleanup.
- Easily incorporated into existing formulations.

TURNKEY SOLUTIONS

CRI-SIL additives and dispersions are intended to quickly and easily modify your compounds to achieve your desired affect. We offer many products that can be added on a two-roll mill with very little preparation.

CRI-SIL SERVICES

- Custom silicone compounding
- Processing Assistance
- Fast Quoting
- Free Samples

Table 1: Typical Properties of CRI-SIL Silicone Technologies CSD012-5M with Catalyst*

DCLBP-50 Catalyzed at 1.0 phr

Basic Physicals

Hardness, pts	73
Tensile, psi	534
Elongation, %	221
Tear B	35
Plasticity	412

*Properties obtained on a 2 mm thick (0.08 inches) slabs: 2'4 DiChlorobenzol Peroxide Catalyzed formulation press cured 10 minutes @ 121°C (250°F).

Materials were tested according to CRI-SIL Silicone Technologies Test Methods (CSTM).

Limited Warranty Information

Please Read Carefully

DISPOSAL

CRI-SIL CSD012-5M should be disposed of in accordance with local and federal regulations.

WRITING SPECIFICATIONS

The values listed here are considered "Typical Values" and therefore not intended for use in preparing specifications. Please contact CRI-SIL Silicone Technologies prior to writing specifications on these products.

MORE INFORMATION

For more information on any of our products or services please visit us on the Web at:
www.cri-sil.com

The information contained herein is offered in good faith and is believed to be accurate. However, because end-use manufacturing conditions vary, this information should not be used in substitution of actual product testing to ensure full satisfaction for the intended end use.

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