



Silicone Technologies, LLC

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ISO 9001:2000 Certified

CRI-SIL Silicone Technologies, LLC
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Biddeford, Maine 04005
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PRODUCT

CSB240

Product Description

CRI-SIL HCR Silicone Rubber CSB240 is an un-catalyzed 40 durometer non-post cure silicone base. Which when cured properly will exhibit low compression set and good heat age resistance.

Cure Conditions:

Catalyzed with 0.4 pph of DBPH* to 100 pph base
Press Cured: 10 min @ 350°F

Properties

Typical Results

Plasticity	160
Specific Gravity	1.10
Durometer (Shore A)	43
Tensile psi	803
Elongation %	471
100% Modulus	132
Tear B, ppi	52
Compression Set 22hrs @ 350°F, %	11
Heat Age 70Hrs @ 437°F	
Hardness Change, pts	+2
Tensile Change, %	-16
Elongation Change, %	-32

*2,5-dimethyl-2,5-di(t-butylperoxy)hexane 100% active



Key Features

- Low Compression Set
- No Post Cure
- Blendable
- Versatility for any number of applications

Storage and Shelf Life

When stored at or below 32C (90F), the CSB240 has a shelf life of 12 months from the date of manufacture.

Packaging

CRI-SIL CSB240 is supplied in 50 lb and 1000 lb boxes, net weight.

Fabrications

Fabricators should make their selection of peroxide catalyst based of their specific fabrication method(s), desired properties, and safety considerations.

The optimum cure cycle will greatly depend on the method of processing used and the physical dimensions of the vulcanized product. Specific application may require the use of an air oven post cure.

In addition our CRI-SIL dispersions (CSD) can be added to these bases to improve various attributes.

Dispersion Use when you want to _____

- | | |
|------------|---|
| CSD002-HA | To Improve heat age resistance |
| CSD005-MO | To remove bloom issues from 2,4- Dichlorobenzoyl peroxide and to improve hydrocarbon oil resistance |
| CSD006-PA | To reduce plasticity |
| CSD0015-5M | To lower material costs and increase specific gravity |
| CSD0016-FR | To improve the flame resistance |

Please see specific CSD Technical Data Sheets of additional information.

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