



Silicone Technologies, LLC

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ISO 9001:2000 Certified

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Biddeford, Maine 04005
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PRODUCT

CSB280

Product Description

CRI-SIL HCR Silicone Rubber CSB280 is an un-catalyzed 80 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	-	365
Specific Gravity		1.31
Durometer (Shore A)		80
Tensile psi		1281
Elongation %		190
Tear B, ppi		97
Compression Set 22hrs @ 350°F, %		15
Heat Age 70Hrs @ 437°F		
Hardness Change, pts		+3
Tensile Change, %		-11
Elongation Change, %		-35

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



<p>Key Features</p> <ul style="list-style-type: none">-Low Compression Set-No Post Cure-Blendable-Versatility for any number of applications <p>Storage and Shelf Life</p> <p>When stored at or below 32C (90F), the CSB280 has a shelf life of 12 months from the date of manufacture.</p> <p>Packaging</p> <p>CRI-SIL CSB280 is supplied in 50 lb and 1000 lb boxes, net weight.</p>	<p>Fabrications</p> <p>Fabricators should make their selection of peroxide catalyst based of their specific fabrication method(s), desired properties, and safety considerations.</p> <p>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.</p> <p>In addition our CRI-SIL dispersions (CSD) can be added to these bases to improve various attributes.</p> <table border="1"><thead><tr><th>Dispersion</th><th>Use when you want to</th></tr></thead><tbody><tr><td>CSD002-HA</td><td>To Improve heat age resistance</td></tr><tr><td>CSD005-MO</td><td>To remove bloom issues from 2,4- Dichlorobenzoyl peroxide and to improve hydrocarbon oil resistance</td></tr><tr><td>CSD006-PA</td><td>To reduce plasticity</td></tr><tr><td>CSD0015-5M</td><td>To lower material costs and increase specific gravity</td></tr><tr><td>CSD0016-FR</td><td>To improve the flame resistance</td></tr></tbody></table> <p>Please see specific CSD Technical Data Sheets of additional information.</p>	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
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