



Silicone Technologies, LLC

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ISO 9001:2008 Certified

CRI-SIL Silicone Technologies, LLC
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PRODUCT

CSD002-HA

Product Description

CRI-SIL HCR Silicone Rubber Additive CSD002-HA is a dispersion used to increase heat stability at temperatures of 220°C or above.

Typical Properties

Specific Gravity
Color
Polymer Type
Pigmentable
FDA

Typical Results

1.26
Off-White
VMQ
Yes
No

Instruction for Use: CSD002 gives best heat resistance when used at 1.0 to 2.0 parts per hundred compound. When used at this level, product life is extended at temperatures of up to 260°C. No incompatibilities.

Typical Shelf Life: Shelf life is 12 months if stored below 100°F



Ingredients	A`	B`	C``	D``	E`	F`	J``	H``
CST2537 BASE*	100	100	100	100				
EX2118 BASE**					100	100	100	100
CSD002 - HA		1		1		1		1
CSD005 - AN***			0.5	0.5			0.5	0.5
Liquid DBPH	0.4	0.4			0.4	0.4		
DCLBP-50			1.2	1.2			1.2	1.2
Basic Physicals								
Specific Gravity	1.18	1.18	1.18	1.19	1.35	1.34	1.35	1.35
Hardness	64	63	62	61	68	69	68	69
Tensile, psi	1058	1269	1174	1253	1087	1029	1087	1027
Elongation, %	329	337	377	377	255	271	230	237
Compression Set, 22hrs @ 350°F***	14	15	44	48	33	31	58	55
Heat Age 70hr @ 437°F								
Hardness, pts	72	70	69	69	76	76	77	75
Tensile, psi	817	1181	1338	1253	850	637	828	979
Elongation, %	128	332	345	344	149	147	157	149
Heat Age 24hr @ 500°F								
Hardness, pts	84	69	82	70	76	78	78	79
Tensile, psi	670	995	774	987	652	781	756	745
Elongation, %	7	247	26	251	130	129	89	92

* 60 Durometer 1.17 Specific Gravity Low Compression Set Silicone Base

** 70 Durometer 1.34 Specific Gravity Silicone Base

*** CRI-SIL Dispersion – Acid Neutralizer

` Cured 10 Minutes @ 350°F

`` Cured 10 Minutes @ 250°F

``` DCLBP-50 Buttons Cured 35 Minutes @ 250°F and DBPH Buttons Cured 35 Minutes @ 350°F

*These values are not to be used to set specifications. Each user must evaluate this product for his or her intended use. All information is given in good faith, without warranty, representation, inducement or a license of any kind. CRI-SIL does not assume any legal responsibility for use of or reliance upon same. No warranty or representation is given that CRI-SIL products described will be suitable in buyers and or users formulations or processes for any particular end use. No representation is given as to freedom from patent infringement. Materials not manufactured or supplied by CRI-SIL may present hazards in handling and use. Contact supplier or the manufacturer for all information specific to this these matters*