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## *Physical Property Data Sheet*

**Material:** Silicone 70 FDA, Peroxide Cure Certified to NSF61  
**Compound Number:** S7015

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**Specifications:** ASTM D2000 M7GE705 A19 B37 EA14 EO16 EO36 F19

<b>ORIGINAL PROPERTIES</b>	<b>SPECS</b>	<b>RESULTS</b>
Hardness Change, pts. Shore A	70 ± 5	70
Tensile Strength Change, MPa	5	6.6
Elongation Change, %	150 min	211
<b><u>A19 HEAT AGED, 70 h at 225° C, ASTM D573</u></b>		
Hardness Change, pts	+10	+3
Tensile Strength Change, %	-25	+2.7
Elongation Change, %	-30	-27.9
<b><u>B37 - COMPRESSION SET, 22 h at 175° C, ASTM D395, Method B</u></b>		
Deflection, % max	30	18.1
<b><u>EA14 - WATER RESISTANCE, 70 h at 100° C, ASTM D471</u></b>		
Hardness Change, pts	± 5	-1
Volume Change, %	± 5	+1.0
<b><u>EO16 - FLUID RESISTANCE, ASTM #1 oil, 70 h at 150° C, ASTM D471</u></b>		
Hardness Change, pts	0 to -15	-5
Tensile Strength Change, %	-20	-7.2
Elongation Change, %	-20	-16.9
Volume Change, %	0 to +15	+4.8
<b><u>EO36 - FLUID RESISTANCE, IRM903 oil, 70 h at 150° C, ASTM D471</u></b>		
Hardness Change, pts	-40	-18
Volume Change, %	+60	+49.5
<b><u>F19 - LOW TEMPERATURE BRITTLENESS, 3 MINUTES @ -55° C, ASTM D2137</u></b>		
Non Brittle	pass	pass

The data shown here is intended as a guideline only. It is advisable to test under actual service conditions.