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What We Promise!*

## Physical Property Data Sheet

**Material:** Nitrile 70, Certified to NSF61  
**Compound Number:** N7015F

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**Specifications:** ASTM D2000 M2BG714 B14 EF11 EF21 EA14 EO14 EO34 F17

<b>ORIGINAL PROPERTIES</b>	<b>SPECS</b>	<b>RESULTS</b>
Hardness Change, pts. Shore A	70 ± 5	70
Tensile Strength Change, MPa	14 min	16.6
Elongation Change, %	250 min	297
<b><u>HEAT AGED, 70 h at 100° C, ASTM D573</u></b>		
Hardness Change, pts	± 15	+5
Tensile Strength Change, %	± 30	+3.7
Elongation Change, %	-50 max	-18.9
<b><u>B14 - COMPRESSION SET, 22 h at 100° C, ASTM D395, Method B</u></b>		
Deflection, % max	25 max	12.1
<b><u>EA14 - WATER RESISTANCE, 70 h at 100° C, ASTM D471</u></b>		
Hardness Change, pts	± 10	-5
Volume Change, %	± 15	+10.4
<b><u>EO14 - FLUID RESISTANCE, IRM901 oil, 70 h at 100° C, ASTM D471</u></b>		
Hardness Change, pts	-5 - +10	+6
Tensile Strength Change, %	-25 max	+3.2
Elongation Change, %	-45 max	-23.7
Volume Change, %	-10 to +5	-8.1
<b><u>EF11 - FUEL RESISTANCE, FUEL A, 70 h at 23° C, ASTM D471</u></b>		
Hardness Change, pts	±10	-2
Tensile Strength Change, %	-25 max	-13
Elongation Change, %	-45 max	-6.9
Volume Change, %	-5 to +10	+1.8
<b><u>EF21 - FUEL RESISTANCE, FUEL B, 70 h at 23° C, ASTM D471</u></b>		
Hardness Change, pts	0 to -30	-12
Tensile Strength Change, %	-60 max	-37.9
Elongation Change, %	-60 max	-22.4
Volume Change, %	0 to +40	+20.5
<b><u>EO34 - FLUID RESISTANCE, IRM903 oil, 70 h at 100° C, ASTM D471</u></b>		
Hardness Change, pts	-10 to +5	-5
Tensile Strength Change, %	-45 max	-12.2
Elongation Change, %	-45 max	-20.6
Volume Change, %	0 to +25	+8.7
<b><u>F17 – LOW TEMPERATURE RESISTANCE, 3min at -40°C</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.