

WSI Compound : N70

## TEST REPORT

Typical properties of cured compound

Material : NBR 70  
Color : Black

Date issued : June 2016

Spec: ASTM D2000 M2BG710 A14 B14 EA14 EF11 EF21 EO14 EO34

Physical properties	Result	Spec.	ASTM Method
Hardness, Shore A (Type M)	66	70 ± 5	D 2240-10
Tensile Strength, min, MPa	16.2	10	D 412-13
Elongation, min, %	405	250	D 412-13
Modulus at 100%, min, psi	623.5	600	D 412-13
<b>A14 Heat Aging, 70hrs at 100°C</b>			<b>D 573-10</b>
Hardness Change, max, points	+5	± 15	
Tensile Change, max, %	+11	± 30	
Elongation Change, max, %	-15	-50	
<b>B14 Compression Set, Method B</b>			<b>D 395-08</b>
22 hrs at 100°C, max, %	12	25	
<b>EA14 Water Resistance, 70hrs at 100°C</b>			<b>D 471-12a</b>
Hardness Change, points	-4	±10	
Volume Change, %	+3	±15	
<b>EF11 Fuel A Resistance, 70hrs at 23°C</b>			<b>D 471-12a</b>
Hardness Change, points	-2	±10	
Tensile Change, max, %	-7	-25	
Elongation Change, max, %	-15	-25	
Volume Change, %	2	-5 to +10	
<b>EF21 Fuel B Resistance, 70hrs at 23°C</b>			<b>D 471-12a</b>
Hardness Change, points	-11	-30 to 0	
Tensile Change, max, %	-24	-60	
Elongation Change, max, %	-29	-60	
Volume Change, %	+25	0 to +40	
<b>EO14 IRM 901 Oil Resistance, 70 hrs at 100°C</b>			<b>D 471-12a</b>
Hardness Change, points	+6	-5 to +10	
Tensile Change, max, %	+3	-25	
Elongation Change, max, %	-17	-45	
Volume Change, %	-4	-10 to +5	
<b>EO34 IRM903 Oil Resistance, 70 hrs at 100°C</b>			<b>D 471-12a</b>
Hardness Change, points	-4	-10 to +5	
Tensile Change, max, %	+5	-45	
Elongation Change, max, %	-21	-45	
Volume Change, %	+13	0 to +25	

The above data is obtained through laboratory testing on slabs and buttons, and is for reference only.

Approved by

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Reported by

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