



EUROPE SEALS BV

Test Report

Material: NBR 70 Red (NB702066)

Specification: ASTM D2000 M2BG708 B14 EF11 EF21 EO14 EO34 Z1: A14

Original Properties:

	<u>Required</u>	<u>Result</u>
Hardness, Shore A, pts	70 ±5	73
Tensile Strength, psi	1160	1394
Elongation, min, %	200	380
Tear Resistance Kg-cm		35
Modulus at 100%		631
Modulus at 200%		997
Modulus at 300%		1222
Specific Gravity		1.462

A14 Heat Aged: 70 h at 100C, ASTM D573

Hardness Change, pts, Shore A		+5
Tensile Strength Change, %		+3
Elongation Change, %		-25
Volume Change		-4

B14 Compression Set, 22 h at 100C, ASTM D395 Method B, Deflection, 25%, Max

25 20

EF11 Fluid Resistance, Fuel A, 70 h at 23C, ASTM D471

Hardness Change, pts, Shore A	±10	-4
Tensile Strength Change, %	-25	-14
Elongation Change, %	-25	-17
Volume Change, %	-5 ~ +10	+5

EF21 Fluid Resistance, Fuel B, 70 h at 23C, ASTM D471

Hardness Change, pts, Shore A	0 ~ -30	-16
Tensile Strength Change, %	-60	-40
Elongation Change, %	-60	-41
Volume Change, %	0 ~ +40	+29

EO14 Fluid Resistance, ASTM #1 Oil, 70 h at 100C, ASTM D471

Hardness Change, pts	-5 ~ +10	+5
Tensile Strength Change, %	-25	+3
Elongation Change, %	-45	-24

Volume Change, %	-10 ~ +5	-6
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EO34 Fluid Resistance, ASTM #3 Oil, 70 h at 100C, ASTM D471

Hardness Change, pts	-10 ~ +5	-6
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Tensile Strength Change, %	-45	-13
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Elongation Change, %	-45	-29
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Volume Change, %	0 ~ +25	+9
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* The above test result is based on the test slab/ test button. The actual parts will be different with this test result.