



EUROPE SEALS BV

Test Report

Material: HNBR 70 Black

Compound No.: HN701011

Specification: ASTM D2000 M4DH 716 A26 B36 EO16 EO36 F17

Original Properties:

	Required	Result
Hardness, Shore A, pts	70+/- 5	73
Tensile Strength, psi	2321	2350
Elongation, min, %	250	300
Specific Gravity		1.28

A26 Heat Aged: 70 h at 150°C, ASTM D573

Hardness Change, pts,	+10	+ 5
Tensile Strength Change, %	-15	+10
Elongation Change, %	-25	-17
Volume Change		

B36 Compression Set, 22 h at 150°C, ASTM D395 Method B, Deflection 25%, Max, %

	35	24
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EO16 Fluid Resistance, ASTM #1 Oil, 70 h at 150°C, ASTM D471

Hardness Change, pts	-5 ~ +10	+ 2
Tensile Strength Change, %	-20	+11
Elongation Change, %	-30	-10
Volume Change, %	-10 ~ +5	- 3

EO36 Fluid Resistance, ASTM #903 Oil, 70 h at 150°C, ASTM D471

Hardness Change, pts	-15	- 5
Tensile Strength Change, %	-40	- 6
Elongation Change, %	-30	-10
Volume Change, %	+25	+16

F17 Low Temperature, Nonbrittle Test after 3 min at -40°C

	Pass	Pass
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Please note that the above test results were obtained from test slabs/buttons, the results on actual parts are different.

2005-1-17/gf