



## EUROPE SEALS BV

### Test Report

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Material: FPM90 Black (Dupont Viton)

Compound No.: VI901070

Specification: ASTM D2000 M3HK 910 A1-10 B38 EF31 EO78

Original Properties:	Required	Result	Test Method
Hardness Change, pts, Short A	90±5	88	
Tensile Strength, Min, psi	TS≥ 1450	2157	
Elongation, Min, %	E≥ 100	135	
Specific Gravity		1.853	

A1-10 Heat Resistance: 70 H @ 250 °C

Change in Hardness, Max, pts	+10	+1
Change in Tensile Strength, Max, %	-25	-1
Change in Ultimate Elongation, Max, %	-25	+6

B38 Compression Set: 22 H @ 200 °C, Max, %

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EF31 Fuel C Resistance: 70 H @ 23°C

Change in Hardness, Max, pts	+/-5	-4
Change in Tensile Strength, Max, %	-25	-9
Change in Ultimate Elongation, Max, %	-20	+2
Change in Volume, Max, %	0~+10	+3

EO78 #101 Oil Resistance: 70 H @ 200°C

Change in Hardness, Max, pts	-15 ~+5	-11
Change in Tensile Strength, Max, %	-40	-15
Change in Ultimate Elongation, Max, %	-20	-9
Change in Volume, Max, %	0 ~+15	+11