



EUROPE SEALS BV

Test Report

Material: FPM90 Brown (Dupont Viton)

Compound No.: VI909069

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

Original Properties:	Required	Result	Test Method
Hardness Change, pts, Short A	90±5	90	
Tensile Strength, Min, psi	TS≥ 1450	1697	
Elongation, Min, %	E≥ 100	86	
Specific Gravity		2.29	

A1-10 Heat Resistance: 70 H @ 250 °C

Change in Hardness, Max, pts	+10	+2
Change in Tensile Strength, Max, %	-25	+15.3
Change in Ultimate Elongation, Max, %	-25	-22.1

B38 Compression Set: 22 H @ 200 °C CS≤ 50 21.0%

EF31 Fuel C Resistance: 70 H @ 23°C

Change in Hardness, Max, pts	+/-5	- 3
Change in Tensile Strength, Max, %	-25	-19
Change in Ultimate Elongation, Max, %	-20	-15
Change in Volume, Max, %	0~+10	+ 4

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

Change in Hardness, Max, pts	-15 ~+5	- 8
Change in Tensile Strength, Max, %	-40	-25
Change in Ultimate Elongation, Max, %	-20	-11
Change in Volume, Max, %	0 ~+15	+12