



EUROPE SEALS BV

Test Report

Material: MVQ70 (Silicone 70 Rusty Red)

Compound No.: SI702002

Specification: ASTM D2000 M7GE 705 A19 B37 EA14 EO16 EO36 F19 G11

<u>Original Properties:</u>	<u>Required</u>	<u>Result</u>	<u>ASTM Test Method</u>
Hardness Change, pts, Short A	70+/-5	68	D2240
Tensile Strength, Min, psi	725	1062	D412
Elongation, Min, %	150	270	D412
A19 Heat Resistance: 70H @ 225°C			D573
Change in Hardness, Max, pts	+10	- 2	
Change in Tensile Strength, Max, %	-25	-18	
Change in Ultimate Elongation, Max, %	-30	-19	
B37 Compression Set: 22 H @ 175°C	30	16	D395 Method B
EA14 Water Resistance: 70 H @ 100°C			D471
Change in Hardness, Max, pts	+/- 5	- 1	
Change in Volume, %	+/- 5	+ 1	
EO16 Fluid Resistance, No.1 Oil : 70 H @ 150°C			D471
Change in Hardness, Max, pts	0 ~ -15	- 9	
Change in Tensile Strength, Max, %	-20	+ 2	
Change in Ultimate Elongation, Max, %	-20	-10	
Change in Volume, %	0 ~ +15	+ 9	
EO36 Fluid Resistance,IRM903 Oil : 70 H @ 150°C			D471
Change in Hardness, Max, pts	-40	-31	
Change in Volume, %	+60	+52	
F19 <u>Low Temperature Resistance, nonbrittle after 3 min at -55°C</u>	Pass	Pass	D2137, Method A, 9.3.2
G11 Tear Resistance, Min, kN/m	9	11	D624 Die B

* This test result is based on the test slabs and test buttons. The actual parts will be different with the above test results.