

Fannteer Co., Ltd.

68-8F KUANGFU NORTH ROAD, TAIPEI, TAIWAN, R.O.C.

TEL : (886-2) 2577-4691 FAX : (886-2) 2577-9358, 2579-5511 e-mail : info@fannteer.com.tw

Test Report

Material: FKM 70 FDA

Test Date: 2004/03/08

Compound No.: VI701027A

Specification: ASTM D2000 M2HK710 A1-10 B38 C12 EF31 EO78

<u>Original Properties:</u>	<u>Required</u>	<u>Result</u>	<u>ASTM Test Method</u>
Hardness Change, pts, Short A	70+/-5	73	D2240
Tensile Strength, Min, psi	1450	1716	D412
Elongation, Min, %	175	225	D412
Modulus at 100%, psi		1541	D412
Specific Gravity, g/cm ³		1.991	D297
A1-10 <u>Heat Resistance: 70 H @ 250 °C</u>			D573
Change in Hardness, Max, pts	+10	+3	
Change in Tensile Strength, Max, %	-25	+2	
Change in Ultimate Elongation, Max, %	-25	-12	
B38 <u>Compression Set: 22 H @ 200 °C Max, % (plied)</u>	50	22	D395, Method B
C12 <u>Ozone Resistance, 50 pphm 70 hrs at 40°C</u>	No Crack	Pass	D1171
EF31 <u>Fluid Resistance, Fuel C: 70 H @ 23 °C</u>			D471
Change in Hardness, Max, pts	+/-5	-3	
Change in Tensile Strength, Max, %	-25	-16	
Change in Ultimate Elongation, Max, %	-20	-13	
Change in Volume, %	0 to +10	+3	
EO78 <u>Fluid Resistance, Service Liquid No. 101 Oil: 70 H @ 200 °C</u>			D471
Change in Hardness, Max, pts	-15 to +5	-8	
Change in Tensile Strength, Max, %	-40	-14	
Change in Ultimate Elongation, Max, %	-20	-16	
Change in Volume, %	0 to +15	+11	

*** Please note that the above test results are based on test slabs/buttons, the results on actual parts are different. ***

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Jean Deng

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