



**MATERIAL DATA SHEET**

Material ref: FK8067

Description: 75 duro fluoroelastomer/**Made from Dupont Viton®**

Meets: ASTM D2000 M6HK810 A1-11 B38 EF31 EO78 EO16 EO36 Z1-75+/-5

Typical Properties

	Test Method	Unit of Measure	Nominal Value	Obtained Value
<b>Hardness</b>	ASTM D2240	Shore A	70+/-5	76
<b>Tensile Strength</b>	ASTM D 412C	n/mm2 (Mpa)	>10	12
<b>Ult. Elongation</b>	ASTM D412C	%	>150	203
<b>Specific Gravity</b>	ASTM D297	GM/cm3		1.89
<b>Compression Set</b> 22 hrs @ 200C	ASTM 395B	%	15 max	14.8
<b>Heat Resistance</b> <b>70 hrs @ 275C</b>	ASTM D573			
Hardness Change		Shore A	-5 to +10	+3
Tensile Change		%	-40 max	-4
Elong. Change		%	-20 max	-12
<b>Oil Aging</b> <b>Service Fluid 101</b> 70 hrs @ 200C	ASTM D471			
Hardness Change		Shore A		+2
Tensile Change		%		-6
Elong. Change		%		-8
Vol. Change		%		+11

Continued on next page



**Page 2 of 2**

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Typical Properties

<b>Oil Aging</b>				
<b>ASTM 1 Oil</b>				
	ASTM D471			
Hardness Change	70 hrs @ 150C	Shore A		+2
Tensile Change		%		-4
Elong. Change		%		-5
Vol. Change		%		+1
<b>Oil Aging</b>				
<b>IRM903 Oil</b>				
	ASTM D471			
Hardness Change	70 hrs @ 150C	Shore A		-7
Tensile Change		%		-11
Elong. Change		%		-3
Vol. Change		%		+4
<b>Fuel Resistance</b>				
<b>ASTM Fuel C</b>				
	ASTM D471			
	70 hrs @ 23C			
Hardness Change		Shore A	+/-5	+2
Tensile Change		%	-25 max	-10
Elong. Change		%	-20 max	-11
Vol. Change		%	0 to +10	+3

DATA IS DERIVED FROM ASTM SLABS AND BUTTONS