



**MATERIAL DATA SHEET**

Material ref: FK8075

Description: 75 duro fluoroelastomer

Meets: ASTM D2000 M2HK810 A1-11 B38 EF31 EO78 EO16 EO36 Z1-75+/-5

Typical Properties

	<u>Test Method</u>	<u>Unit of Measure</u>	<u>Nominal Value</u>	<u>Obtained Value</u>
<b>Hardness</b>	ASTM D2240	Shore A	70+/-5	75
<b>Tensile Strength</b>	ASTM D 412C	n/mm2 (Mpa)	>11	13
<b>Ult. Elongation</b>	ASTM D412C	%	>150	200
<b>Compression Set</b> 22 hrs @ 200C	ASTM 395B	%	50 max	11
<b>Heat Resistance</b> <b>70 hrs @ 275C</b>	ASTM D573			
Hardness Change		Shore A		+2
Tensile Change		%		+7
Elong. Change		%		-15
<b>Oil Aging</b> <b>Service Fluid 101</b>	ASTM D471 70 hrs @ 200C			
Hardness Change		Shore A	-15 to +5	-8
Tensile Change		%	-40 max	-19
Elong. Change		%	-20 max	-9
Vol. Change		%	0 to +15	+10
<b>Oil Aging</b> <b>ASTM 1 Oil</b>	ASTM D471			
Hardness Change	70 hrs @ 150C	Shore A		-2
Tensile Change		%		+2
Elong. Change		%		-6
Vol. Change		%		-2

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<b>Oil Aging</b>				
<b>IRM903 Oil</b>				
	ASTM D471			
Hardness Change	70 hrs @ 150C	Shore A		-3
Tensile Change		%		-2
Elong. Change		%		-10
Vol. Change		%		+2.5
<b>Fuel Resistance</b>				
<b>ASTM Fuel C</b>				
	ASTM D471			
	70 hrs @ 23C			
Hardness Change		Shore A	+/-5	-4
Tensile Change		%	-25 max	-15
Elong. Change		%	-20 max	-10
Vol. Change		%		+2