



**MATERIAL DATA SHEET**

**Material ref: FK8055**

Description: 75 duro fluoroelastomer

Meets: ASTM D2000 M2HK607A1-10B37B38Z1Z2Z3

FDA CONFORMING

	<u>Test Method</u>	<u>Unit of Measure</u>	<u>Nominal Value</u>	<u>Obtained Value</u>
<b>Hardness</b>	ASTM D2240	Shore A	55+/-5	59
<b>Tensile Strength</b>	ASTM D 412C	psi	>1015	1320
<b>Ult. Elongation</b>	ASTM D412C	%	>200	317
<b>Modulus @ 100%, psi</b>				2442
<b>Compression Set(B38)</b>				
22 hrs @ 175C	ASTM 395B	%	50 max	7
22 hrs @ 200C			50 max	12
<b>Heat Resistance</b>	ASTM D573			
<b>70 hrs @ 250C</b>				
Hardness Change		Shore A	+10	0
Tensile Change		%	-25	+8
Elong. Change		%	-25	+2
<b>Oil Aging (Z3)</b>	ASTM D471			
<b>Service Fluid 101</b>	70 hrs @ 200C			
Hardness Change		Shore A		-12
Tensile Change		%		-25
Elong. Change		%		-15
Vol. Change		%		+22

Z1-FDA Conforming

Z2-55+/5 Duro

Z3- Oil aging