



**MATERIAL DATA SHEET**

**Material ref: FK8361**

Description: 75 duro fluoroelastomer/BROWN

Meets: ASTM D2000 M2HK810 B38 EF31 EO78Z1Z2Z3

NSF61 APPROVED/FDA CONFORMING

	<u>Test Method</u>	<u>Unit of Measure</u>	<u>Nominal Value</u>	<u>Obtained Value</u>
<b>Hardness (Z1)</b>	ASTM D2240	Shore A	75 +/-5	78
<b>Tensile Strength</b>	ASTM D 412C	psi	>1450	1550
<b>Ult. Elongation</b>	ASTM D412C	%	>150	273
<b>Compression Set(B38)</b>				
22 hrs @ 200C	ASTM 395B	%	50 max	15
<b>Heat Resistance</b>	ASTM D573			
<b>70 hrs @ 250C</b>				
Hardness Change		Shore A	+/-15	+4
Tensile Change		%	+/-30	-28
Elong. Change		%	-50 max	-14
<b>Oil Aging (EO78)</b>	ASTM D471			
<b>Service Fluid 101</b>	70 hrs @ 200C			
Hardness Change		Shore A	-15 to +5	-10
Tensile Change		%	-40 max	-18
Elong. Change		%	-20 max	-16
Vol. Change		%	0 to +15	+12
<b>Fuel Resistance(EF31)</b>	ASTM D471			
<b>ASTM Fuel C</b>	70 hrs @ 23C			
Hardness Change		Shore A	+/-5	-4
Tensile Change		%	-25 max	-19
Elong. Change		%	-20 max	-17
Vol. Change		%	0 to +10	+5
<b>Regulatory Conformity (Z2)</b>	NSF61			approved by NSF
<b>Regulatory Conformity (Z3)</b>	FDA CFR 177.2600			conforms