



**PHYSICAL PROPERTY REPORT**

MATERIAL REF: FK8049

75 DURO FLUOROELASTOMER, BROWN

Revision date: December 1999

<b><u>ORIGINAL PROPERTIES</u></b>	<b><u>VALUE</u></b>
Tensile Strength, MPa, ASTMD412	11.7
Elongation, %, ASTMD412	196
Hardness, Shore A, ASTMD2240	74
<b><u>HEAT RESISTANCE, ASTM D573</u></b>	
<b><u>70 HOURS @ 275C</u></b>	
Hardness Change, points	+2
Tensile Change, %	-15
Elongation change, %	-12
<b><u>COMPRESSION SET, METHOD B</u></b>	
<b><u>22 HOURS @ 200C</u></b>	
% Set, ASTMD395B (Button)	11
<b><u>FLUID RESISTANCE SER. FLUID 101</u></b>	
<b><u>ASTM D471</u></b>	
<b><u>70 HOURS @ 200C</u></b>	
Change in hardness, points, ASTMD2240	-10
Change in tensile, %, ASTM D471	-10
Change in elongation, %, ASTM D471	-5
Change in volume, %, ASTM D471	+11
<b><u>FLUID RESISTANCE ASTM FUEL C</u></b>	
<b><u>70 HOURS @ 23C</u></b>	
Change in hardness, points, ASTM D2240	-3
Change in tensile, %, ASTM D417	+1
Change in Elongation, %, ASTM D471	-12
Change in volume, %, ASTM D471	+6

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**FLUID RESISTANCE #1 OIL, D471**

**70 HOURS @ 150C**

Change in hardness, points, ASTM D2240	-3
Change in tensile, %, ASTM D417	+5
Change in Elongation, %, ASTM D471	-9
Change in volume, %, ASTM D471	+2

**FLUID RESISTANCE/IRM903 OIL**

**ASTM D471**

**70 HOURS @ 150C**

Change in hardness, points, ASTM D2240	-3
Change in tensile, %, ASTM D417	+10
Change in Elongation, %, ASTM D471	-12
Change in volume, %, ASTM D471	+2

DATA IS DERIVED FROM ASTM SALBS AND BUTTONS-NOT FINISHED PARTS