



PHYSICAL PROPERTY REPORT

MATERIAL REF: FK8049

75 DURO FLUOROELASTOMER, BROWN

Revision date: December 1999

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