



O-Ring Division
104 Hartmann, Dr.
Lebanon TN 37087
Ph: 615-444-0191

Date: 10/5/2005
Compound: AE154-75
Batch: 2005092060
Sample Type: ASTM Type Samples

LABORATORY TEST REPORT

<u>Original Physical Properties (ASTM Type Specimens)</u>	<u>Test Method</u>	<u>Test Results</u>
Hardness, Shore A, pts.	ASTM D2240	77
Tensile Strength, Mpa, min	ASTM D412	15.7
Ultimate Elongation, % min	ASTM D412	223
100% Modulus, Mpa, min	ASTM D412	9.5
TearStrength, Die C (kN/m)	ASTM D624	24
Low Temperature Resistance		
<u>Brittle pt.</u>		
3 min @ -25° C	ASTM D2137	Pass
Compression Set		
<u>(168 hrs. @ 150° C)</u>		
Percent of Original Deflection, max (Plied Disks)	ASTM D395 Method B	23
Heat Resistance		
<u>(168 hrs. @ 150° C)</u>		
Hardness chg, pts.	ASTM D573	+2
Tensile chg, %		+1
Elongation chg, %		-7
Modulus @ 100%, chg.		+14
180° Bend		Pass
Fluid Resistance		
<u>ASTM #1 Oil (168 hrs. @ 150° C)</u>		
Hardness chg, pts.	ASTM D471	-1
Tensile chg, %		+13
Elongation chg, %		+2
Volume chg		+4
180° Bend		Pass
Fluid Resistance		
<u>IRM 903 Oil (168 hrs. @ 150° C)</u>		
Hardness chg, pts.	ASTM D471	-18
Tensile chg, %		-12
Elongation chg, %		-10
Volume chg		+43
180° Bend		Pass