



Compound Data Sheet
O-Ring Division United States

MATERIAL REPORT

REPORT NUMBER: KK2204
DATE: 05/31/94

TITLE: Comparison of L1218-80 with L0806-80.

PURPOSE: To provide a comparison test.

CONCLUSION: L1218-80 could be recommended as a suitable replacement for L0806-80.

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REPORT DATA

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	<u>Requirements</u>	L1218-80 <u>.070</u>	L1218-80 2-214 <u>O-Rings</u>	L0806-80 <u>.070</u>	L0806-80 2-214 <u>O-Rings</u>
<u>Original Properties</u>					
Hardness, pts	80 ± 5	79	79	79	78
Tensile Strength, psi, min	750	1149	1055	931	892
Elongation, %, min	70	200	177	117	111
Temperature Retraction, F, max	-70		-80		-71
Specific Gravity g/cm ³	As Determined		1.57		1.52
<u>After Air Aging, 70 Hrs @ 75°F</u>					
Compression Set, %, max					
Under 0.110"	25	5.9		11.9	
Over 0.110"	20		5.8		5
<u>After Air Aging, 70 Hrs @ 392°F</u>					
Hardness Change, pt, max	+10, -5		0		1
Tensile Strength Decrease, %, max	20		- 7		-12
Elongation Decrease, %, max	20		1.1		-15
Weight Loss, %, max	2		- 1.7		-1
<u>After Air Aging, 22 Hrs @ 347°F</u>					
Compression Set, %, max					
Under 0.110"	50	14.7		20.6	
Over 0.110"	45		10.3		12