

Request a Quote



2360 Palumbo Drive  
Lexington, KY 40509  
(859) 269-2351

Date: 2/5/2004  
Compound: AS NOTED  
Size: 2-214  
Page: 1 of 1

## LABORATORY TEST REPORT

	AMS-R-25988	L1218-80	LM160-80
	Requirement	Test Results	Test Results
<u>Original Physical Properties, ASTM D412, D2240</u>			
Hardness, Shore A, pts.	80 ± 5	79	80
Tensile Strength, psi, min	750	1055	949
Ultimate Elongation, %, min	70	177	166
Specific Gravity	1.57 ± 0.03	1.57	1.56
<u>Low-Temperature Resistance, ASTM D1329</u>			
Temperature Retraction, TR, Point, Max	-57°C(-70°F)	-60.7(-77.3)	-60.4°C(-76.7°F)
<u>Compression Set: (70 h @ 75±5°F), ASTM D395 Method B</u>			
Percent of Original Deflection, max.,%			
Under 0.110 inch	25	15.1	8.8
Over 0.110 inch	20	5.8	12.0
<u>Dry Heat Resistance: (70 h @ 392°F), ASTM D573</u>			
Hardness Change	+10, -5	0	+2
Tensile Change, %, max	-20	-7	-11.5
Elongation Change, %, max	-20	-1.1	-18.1
Weight Loss, %, max	-2	-1.7	-0.4
<u>Compression Set, (22 h @ 347°F), ASTM D395 Method B</u>			
Percent of Original Deflection, max.,%			
Under 0.110 inch	50	11.7	8.8
Over 0.110 inch	45	10.3	14.1
<u>AMS 3021, 70h @ 302°F</u>			
Hardness Change	±15	-7	-7
Tensile Change, %, max	-30	-5.7	-13.9
Elongation Change, %, max	-15	+6.8	+7.8
Volume Change, %, max	+1 to +15	+6.6	+8.8
COMPRESSION SET, %, max			
Under 0.110 inch	65		
Over 0.110 inch	60	5.7	11.8
<u>Aromatic Fuel Resistance: Fuel B, (22 h @ 73°F), ASTM D471</u>			
Hardness Change	-20	-7	-9
Tensile Change, %, max	-30	-11.6	-9.8
Elongation Change, %, max	-30	-3.4	+3.4
Volume change, %	+1 to +25	15.7	+19.5

Prepared By: Tim Pingleton  
Tim Pingleton R&D Engineer

Approved By: Dale M. Ashby  
Dale M. Ashby, Division Technical Director