

Request a Quote



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

Date: 1/23/2004
Compound: AS NOTED
Size: 2-214
Page: 1 of 1

LABORATORY TEST REPORT

<u>Original Physical Properties, ASTM D412, D2240</u>	<u>AMS-R-25988</u>	<u>L1120-70</u>	<u>LM159-70</u>
	<u>Requirement</u>	<u>Test Results</u>	<u>Test Results</u>
Hardness, Shore A, pts.	70±5	68	69
Tensile Strength, psi, min	750	905	979
Ultimate Elongation, %, min	125	227	267
Specific Gravity	1.55±.03	1.54	1.53
 <u>Low-Temperature Resistance, ASTM D1329</u>			
Temperature Retraction, TR, Point, Max	-57°C(-70°F)	-59.2°C(-74.6°F)	-58.5°C(-73.3°F)
 <u>Compression Set: (70 h @ 75±5°F), , ASTM D395 Method B</u>			
Percent of Original Deflection, max., %			
Under 0.110 inch	15	12.1	9.1
Over 0.110 inch	15	11.6	13.2
 <u>Dry Heat Resistance: (70 h @ 392°F), ASTM D573</u>			
Hardness Change	+10, -5	+4	3
Tensile Change, %, max	-25	-9.7	-13.3
Elongation Change, %, max	-25	-25.1	-13.1
Weight Loss, %, max	-2	-0.5	-0.03
 <u>Compression Set, (22 h @ 347°F), ASTM D395 Method B</u>			
Percent of Original Deflection, max., %			
Under 0.110 inch	30	27.3	21.2
Over 0.110 inch	30	20	15.7
 <u>AMS 3021, 70h @ 302°F</u>			
Hardness Change	±15	-10	-6
Tensile Change, %, max	-40	-3.3	-27.4
Elongation Change, %, max	-25	-10.2	-8.6
Volume Change, %, max	+1 to +15	+12.8	+9.5
COMPRESSION SET, %, max			
Under 0.110 inch	30		
Over 0.110 inch	30	27.1	13.9
 <u>Aromatic Fuel Resistance: Fuel B, (22 h @ 73°F), ASTM D471</u>			
Hardness Change	-20	-18	-9
Tensile Change, %, max	-45	-25	-27.7
Elongation Change, %, max	-35	-26	-16.4
Volume change, %	+1 to +25	+20.6	+21.1

Prepared By: Tim Pingleton
Tim Pingleton R&D Engineer

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