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Date: 2/5/2004
Compound: AS NOTED
Size: 2-214
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LABORATORY TEST REPORT

| <u>Original Physical Properties, ASTM D412, D2240</u> | AMS-R-25988 | L1218-80 | LM160-80 |
|---|--------------------|---------------------|---------------------|
| | <u>Requirement</u> | <u>Test Results</u> | <u>Test Results</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 |

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