



MATERIAL REPORT

REPORT NUMBER: KK2155

DATE: 11/07/91

TITLE: Test Parker Compound E0515-80 to ASTM D2000 Line
Callout M2AA810 A13 EA14 F17.

PURPOSE: To determine if compound E0515-80 meets said line callout.

CONCLUSION: Parker compound E0515-80 meets the requirements of said
line callout.

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REPORT DATA

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COMPOUND: E0515-80
ASTM D2000 M2AA810 A13 EA14 F17

| <u>BASIC REQUIREMENT</u> | <u>LIMIT</u> | <u>RESULTS</u> |
|----------------------------------|--------------|----------------|
| Hardness, Shore A, pts. | 80 ± 5 | 82 |
| Tensile Strength, MPa (psi.) | 10 (1450) | 12.8 (1855) |
| Elongation, % | 150 | 181 |
| | | |
| <u>COMPRESSION SET</u> | | |
| <u>22 HRS @ 70°C (158°F)</u> | | |
| Max., % | 50 | 8.4 |
| | | |
| <u>A13, HEAT AGE</u> | | |
| <u>70 HRS @ 70°C (158°F)</u> | | |
| Hardness Change, pts | ± 15 | 0 |
| Tensile Change, % | ± 30 | - 20.3 |
| Elongation Change, % | - 50 | - 25.4 |
| | | |
| <u>EA14, WATER RESISTANCE</u> | | |
| <u>70 HRS @ 100°C (212°F)</u> | | |
| Volume Change, % | 10 | - .4 |
| | | |
| <u>F17, LOW TEMP BRITTLENESS</u> | | |
| <u>3 MIN @ -40°C (-40°F)</u> | | |
| Non Brittle | Pass | Pass |