



R.E.A.L. SEAL CO.
MATERIAL DATA SHEET
COMPOUND # 4038

| <u>ORIGINAL PHYSICAL PROPERTIES</u> | <u>SPEC</u> | <u>4038</u> |
|---|-------------|--------------|
| HARDNESS, SHORE A PTS | 75 +/- 5 | 74 |
| ULTIMATE TENSILE STRENGTH, PSI | 1450 MIN | 2147 |
| ULTIMATE ELONGATION, % | 250 MIN | 276 |
| <u>HEAT RESISTANCE (ASTM D 573)</u> | | |
| <u>70 HRS @ 125 C</u> | | |
| CHANGE IN HARDNESS, PTS | +15 MAX | +5 |
| CHANGE IN TENSILE, % | -35 MAX | -18 |
| CHANGE IN ELONGATION, % | -50 MAX | -24 |
| <u>COMPRESSION SET (ASTM D 395B)</u> | | |
| <u>70 HRS @ 125C</u> | | |
| % SET | 25 MAX | 12 |
| <u>OIL RESISTANCE (ASTM D 471)</u> | | |
| <u>70 HRS IN OIL #1 @ 150 C</u> | | |
| CHANGE IN HARDNESS, PTS | -5 TO +10 | +3 |
| CHANGE IN TENSILE, % | -25 MAX | -8 |
| CHANGE IN ELONGATION, % | -45 MAX | -21 |
| CHANGE IN VOLUME, % | -10 TO +5 | -4 |
| <u>OIL RESISTANCE (ASTM D 471)</u> | | |
| <u>70 HRS IN OIL # IRM 903 @ 150 C</u> | | |
| CHANGE IN HARDNESS, PTS | +/-10 | -5 |
| CHANGE IN TENSILE, % | -35 MAX | -12 |
| CHANGE IN ELONGATION, % | -40 MAX | -14 |
| CHANGE IN VOLUME, % | 0 TO +25 | +9 |
| <u>LOW TEMP BRITTLENESS (ASTM D 2137)</u> | | |
| NONBRITTLE AFTER 3 MIN @ -40 C | PASS | PASS |
| <u>COLOR</u> | REPORT | BLACK |
| <u>CURE SYSTEM</u> | REPORT | PEROXIDE |