



R.E.A.L. SEAL CO.
MATERIAL DATA SHEET
COMPOUND # 8970

| <u>ORIGINAL PHYSICAL PROPERTIES</u> | <u>SPEC</u> | <u>8970</u> |
|--|-------------|-------------|
| HARDNESS, SHORE A PTS | 70 +/-5 | 72 |
| ULTIMATE TENSILE STRENGTH, PSI | 870 MIN | 1015 |
| ULTIMATE ELONGATION, % | 150 MIN | 207 |
| MODULUS @ 100%, PSI | ---- | 475 |
| <u>HEAT RESISTANCE (ASTM D 573)</u> | | |
| <u>70 HRS @ 225 C</u> | | |
| CHANGE IN HARDNESS, PTS | +10 MAX | +5 |
| CHANGE IN TENSILE, % | -25 MAX | -10 |
| CHANGE IN ELONGATION, % | -30 MAX | -20 |
| <u>COMPRESSION SET (ASTM D 395B)</u> | | |
| <u>22 HRS @ 150 C</u> | | |
| % SET | 30 MAX | 20 |
| <u>FLUID RESISTANCE (ASTM D 471)</u> | | |
| <u>70 HRS IN DISTILLED WATER @ 100 C</u> | | |
| CHANGE IN HARDNESS, PTS | +/- 5 | NC |
| CHANGE IN VOLUME, % | +/- 5 | +5 |
| <u>OIL RESISTANCE (ASTM D 471)</u> | | |
| <u>70 HRS @ 150 C IN OIL #1</u> | | |
| CHANGE IN HARDNESS, PTS | 0 TO -15 | -2 |
| CHANGE IN TENSILE, % | -20 MAX | -1 |
| CHANGE IN ELONGATION, % | -20 MAX | -15 |
| CHANGE IN VOLUME, % | 0 TO +10 | +3 |
| <u>TEAR RESISTANCE (ASTM D 573)</u> | | |
| UNDER 7 Mpa LOAD, Kn/m | 5 MIN | 17.51 |
| <u>HEAT AGING (ASTM D 573)</u> | | |
| <u>8 HRS @ 280 C</u> | | |
| WEIGHT LOSS, % | REPORT | 1.51534 |
| <u>COLOR</u> | REPORT | RED |