



R.E.A.L. SEAL CO.
MATERIAL DATA SHEET
COMPOUND # 4275

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>4275</u>
HARDNESS, SHORE A PTS	75 +/- 5	75
ULTIMATE TENSILE STRENGTH, PSI	2000 MIN	2869
ULTIMATE ELONGATION, %	250 MIN	317

HEAT RESISTANCE (ASTM D 573)

168 HRS @ 150 C

CHANGE IN HARDNESS, PTS	+15 MAX	+8
CHANGE IN TENSILE, %	+25 MAX	+15
CHANGE IN ELONGATION, %	-25 MAX	-14

COMPRESSION SET (ASTM D 395B)

22HRS @ 150C

% SET	25 MAX	13
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COMPRESSION SET (ASTM D 395B)

70HRS @ 150C

% SET	35 MAX	24
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OIL RESISTANCE (ASTM D 471)

70 HRS IN OIL #1 @ 150 C

CHANGE IN HARDNESS, PTS	-5 TO +10	+2
CHANGE IN TENSILE, %	-25 MAX	+16
CHANGE IN ELONGATION, %	-45 MAX	-9
CHANGE IN VOLUME, %	-10 TO +5	-3

OIL RESISTANCE (ASTM D 471)

70 HRS IN OIL #3 @ 150 C

CHANGE IN HARDNESS, PTS	0 TO -20	-4
CHANGE IN TENSILE, %	-45 MAX	+7
CHANGE IN ELONGATION, %	-45 MAX	+2
CHANGE IN VOLUME, %	0 TO +35	+12

OIL RESISTANCE (ASTM D 471)

168 HRS IN SILICONE OIL #1000 @ 150 C

CHANGE IN HARDNESS, PTS	+10 MAX	+3
CHANGE IN TENSILE, %	+/-15 MAX	+6
CHANGE IN ELONGATION, %	-15 MAX	-7
CHANGE IN VOLUME, %	+10 MAX	+1

LOW TEMPERATURE BRITTLENESS (ASTM D 2137)

NON-BRITTLE AFTER 3 MIN @ -40C

PASS

PASS

COLOR

REPORT

BLACK