R.E.A.L. SEAL CO.
MATERIAL DATA SHEET
COMPOUND #M-80

ORIGINAL PHYSICAL PROPERTIES	SPEC	M-80
HARDNESS, SHORE A PTS	83 +/- 3	83
ULTIMATE TENSILE STRENGTH, PSI	4500 MIN	5323
ULTIMATE ELONGATION, %	400 MIN	634
MODULUS @ 100%, PSI	REPORT	971
MODULUS @ 300% PSI	REPORT	2144
COMPRESSION SET (ASTM D 395B) 22 HRS @ 23C		
% SET	35 MAX	24
COMPRESSION SET (ASTM D 395B) 22 HRS @ 70C		
% SET	50 MAX	27
TEAR STRENGTH (ASTM D624 DIE C)		
PLI	450 MIN	622
SPECIFIC GRAVITY	REPORT	1.18
OIL RESISTANCE (ASTM D 471) 70 HRS @ 70 C IN ASTM OIL #1		
CHANGE IN HARDNESS, PTS	-5 TO +10	-1
CHANGE IN TENSILE, %	-25 MAX	+3.5
CHANGE IN ELONGATION, %	-45 MAX	+8
CHANGE IN VOLUME, %	-10 TO +5	-0.71
OIL RESISTANCE (ASTM D 471) 70 HRS @ 100C IN ASTM OIL #1		
CHANGE IN HARDNESS, PTS	-5 TO +10	-1
CHANGE IN TENSILE, %	-25 MAX	-9
CHANGE IN ELONGATION, %	-45 MAX	-18
CHANGE IN VOLUME, %	-10 TO +5	-0.75

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OIL RESISTANCE (ASTM D 471)
70 HRS @ 70 C IN ASTM OIL #IRM 903

CHANGE IN HARDNESS, PTS	-10 TO +5	-2
CHANGE IN TENSILE, %	-45 MAX	+10
CHANGE IN ELONGATION, %	-45 MAX	+4
CHANGE IN VOLUME, %	0 TO +25	+5.23

OIL RESISTANCE (ASTM D 471)
70 HRS @ 100 C IN ASTM OIL #IRM 903

CHANGE IN HARDNESS, PTS	-10 TO +5	-5
CHANGE IN TENSILE, %	-45 MAX	-12
CHANGE IN ELONGATION, %	-45 MAX	-13
CHANGE IN VOLUME, %	0 TO +25	+10.60