



R.E.A.L. SEAL CO.
MATERIAL DATA SHEET
COMPOUND #M-90

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>M-90</u>
HARDNESS, SHORE A PTS	90 +/-5	92
ULTIMATE TENSILE STRENGTH, PSI	5000 MIN	6550
ULTIMATE ELONGATION, %	250 MIN	450
MODULUS @ 100%, PSI	-----	1600
MODULUS @ 300% PSI	-----	4100
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 23C</u>		
% SET	25 MAX	24
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 70C</u>		
% SET	50 MAX	29
 <u>TEAR STRENGTH (ASTM D624 DIE C)</u>		
PLI	500 MIN	842
 <u>SPECIFIC GRAVITY</u>		
	REPORT	1.19
 <u>AIR HEAT AGING (ASTM D573)</u>		
<u>70 HRS @ 100C</u>		
CHANGE IN DURO, PTS	+/-5	+1
CHANGE IN TENSILE, %	+/-15	+5
CHANGE IN ELONG, %	-15 MAX	+2
 <u>FLUID AGING (ASTM D471)</u>		
<u>70 HRS @ 100C IN ASTM OIL #1</u>		
CHANGE IN DURO, PTS	-5 TO +10	-1
CHANGE IN TENSILE, %	-25 MAX	+1
CHANGE IN ELONGATION, %	-45 MAX	+3
CHANGE IN VOLUME, %	-10 TO +5	+2