



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

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>LT-90</u>
HARDNESS, SHORE A PTS	90+/-5	93
ULTIMATE TENSILE STRENGTH, PSI	6000 MIN	7532
ULTIMATE ELONGATION, %	400 MIN	525
MODULUS @ 50%, PSI	----	1300
MODULUS @ 100%, PSI	----	1650
MODULUS @ 300% PSI	----	3500
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>70 HRS @ 70C</u>		
% SET	35 MAX	29
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>70 HRS @ 100C</u>		
% SET	45 MAX	39
 <u>TEAR STRENGTH (ASTM D624 DIE C)</u>		
PLI	400 MIN	575
 <u>SPECIFIC GRAVITY</u>		
	REPORT	1.19
 <u>GLASS TRANSITION TEMP, F</u>		
	REPORT	-69
 <u>AIR HEAT AGING (ASTM D573)</u>		
<u>70 HRS @ 100C</u>		
CHANGE IN DURO, PTS	-5 TO +5	+1
CHANGE IN TENSILE, %	+/-15	+6
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	-7 TO +5	-1
CHANGE IN TENSILE, %	-20 MAX	+2
CHANGE IN ELONGATION, %	-40 MAX	+2
CHANGE IN VOLUME, %	-5 TO +5	+1
 <u>SERVICE TEMPERATURE RANGE**</u>		 -40 F TO +230 F