



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

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>ME-80</u>
HARDNESS, SHORE A PTS	80 +/-5	82
ULTIMATE TENSILE STRENGTH, PSI	2450 MIN	5130
ULTIMATE ELONGATION, %	350 MIN	632
MODULUS @ 100%, PSI	-----	880
MODULUS @ 300% PSI	-----	1890
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 23C</u>		
% SET	45 MAX	30
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 70C</u>		
% SET	85 MAX	33
 <u>TEAR STRENGTH (ASTM D624 DIE C)</u>		
PLI	250 MIN	612
 <u>FLUID AGING (ASTM D471)</u>		
<u>70 HRS @ 100 C IN ASTM OIL #1</u>		
CHANGE IN DURO, PTS	-5 TO +10	-4
CHANGE IN TENSILE, %	-25 MAX	-7
CHANGE IN ELONGATION, %	-45 MAX	+12
CHANGE IN VOLUME, %	-10 TO +5	+3
 <u>FLUID AGING (ASTM D471)</u>		
<u>70 HRS @ 100 C IN ASTM OIL #3</u>		
CHANGE IN DURO, PTS	-5 TO +10	-4
CHANGE IN TENSILE, %	-25 MAX	-12
CHANGE IN ELONGATION, %	-45 MAX	+15
CHANGE IN VOLUME, %	-5 TO +10	+8
 <u>ABRASION RESISTANCE (ASTM D 1044)</u>		
<u>mg/1000 CYCLES</u>		
TABER H-22 WHEEL, 1000 g LOAD	REPORT	20