



**R.E.A.L. SEAL CO.**  
**MATERIAL DATA SHEET**  
**COMPOUND #M-65D**

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>M-65D</u>
HARDNESS, SHORE D PTS	65 +/- 5	65
ULTIMATE TENSILE STRENGTH, PSI	5500 MIN	6425
ULTIMATE ELONGATION, %	300 MIN	390
MODULUS @ 100%, PSI	REPORT	2900
MODULUS @ 300% PSI	REPORT	4500
<u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 23C</u>		
% SET	35 MAX	30
<u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 70C</u>		
% SET	65 MAX	40
<u>TEAR STRENGTH (ASTM D624 DIE C)</u>		
PLI	650 MIN	1500
<u>FLUID AGING (ASTM D471)</u>		
<u>70 HRS @ 100 C IN ASTM OIL #1</u>		
CHANGE IN DURO, PTS	+15 MAX	+2
CHANGE IN TENSILE, %	+25 MAX	+9
CHANGE IN ELONGATION, %	+25 MAX	+17
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	+15 MAX	+2
CHANGE IN TENSILE, %	+25 MAX	-3
CHANGE IN ELONGATION, %	+25 MAX	+7
CHANGE IN VOLUME, %	-5 TO +10	+3
<u>ABRASION RESISTANCE (ASTM D 1044)</u>		
<u>Mg/1000 CYCLES</u>		
TABER H-22 WHEEL, 1000 g LOAD	REPORT	120