



**R.E.A.L. SEAL CO.**  
**MATERIAL DATA SHEET**  
**COMPOUND # 4160**

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>4160</u>
HARDNESS, SHORE A PTS	60 +/- 5	61
ULTIMATE TENSILE STRENGTH, PSI	1450 MIN	1682
ULTIMATE ELONGATION, %	300 MIN	307
MODULUS @ 100%	----	714
 <u>HEAT RESISTANCE (ASTM D 573)</u>		
<u>70 HRS @ 100 C</u>		
CHANGE IN HARDNESS, PTS	+15 MAX	+7
CHANGE IN TENSILE, %	-20 MAX	-12
CHANGE IN ELONGATION, %	-40 MAX	-15
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22HRS @ 100C</u>		
% SET	25 MAX	14
 <u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN OIL #1 @ 150 C</u>		
CHANGE IN HARDNESS, PTS	-5 TO +10	+6
CHANGE IN TENSILE, %	-25 MAX	-10
CHANGE IN ELONGATION, %	-45 MAX	-30
CHANGE IN VOLUME, %	-10 TO +5	+2
 <u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN OIL # IRM903 @ 150 C</u>		
CHANGE IN HARDNESS, PTS	0 TO -20	-4
CHANGE IN TENSILE, %	-45 MAX	-20
CHANGE IN ELONGATION, %	-45 MAX	-21
CHANGE IN VOLUME, %	0 TO +35	+6
 <u>LOW TEMP BRITTLENESS (ASTM D 2137)</u>		
NONBRITTLE AFTER 3 MIN @ -55 C	PASS	PASS
 <u>COLOR</u>	 REPORT	 BLACK