



**R.E.A.L. SEAL CO.**  
**MATERIAL DATA SHEET**  
**COMPOUND # 4140**

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>4140</u>
HARDNESS, SHORE A PTS	40 +/- 5	40
ULTIMATE TENSILE STRENGTH, PSI	1015 MIN	1237
ULTIMATE ELONGATION, %	450 MIN	471
<u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22HRS @ 100C</u>		
% SET	25 MAX	17
<u>WATER RESISTANCE (ASTM D 471)</u>		
<u>70 HRS @ 100 C</u>		
CHANGE IN HARDNESS, PTS	+/- 10 MAX	-8
CHANGE IN VOLUME, %	+/- 15 MAX	+10
<u>FUEL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS @ 23 C IN FUEL A</u>		
CHANGE IN HARDNESS, PTS	+/-10 MAX	-3
CHANGE IN TENSILE, %	-25 MAX	-17
CHANGE IN ELONGATION, %	-25 MAX	-14
CHANGE IN VOLUME, %	-5 TO +10	+6
<u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN OIL #1 @ 150 C</u>		
CHANGE IN HARDNESS, PTS	-5 TO +10	+2
CHANGE IN TENSILE, %	-25 MAX	-28
CHANGE IN ELONGATION, %	-45 MAX	-29
CHANGE IN VOLUME, %	-10 TO +5	+3
<u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN OIL # IRM903 @ 150 C</u>		
CHANGE IN HARDNESS, PTS	0 TO -20	-9
CHANGE IN TENSILE, %	-45 MAX	-29
CHANGE IN ELONGATION, %	-45 MAX	-31
CHANGE IN VOLUME, %	0 TO +35	+10
<u>LOW TEMP BRITTLENESS (ASTM D 2137)</u>		
NONBRITTLE AFTER 3 MIN @ -40 C	PASS	PASS
<u>COLOR</u>	<u>REPORT</u>	<u>BLACK</u>