



**R.E.A.L. SEAL CO.**  
**MATERIAL DATA SHEET**  
**COMPOUND # 4070**

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>4070</u>
HARDNESS, SHORE A PTS	70 +/- 5	70
ULTIMATE TENSILE STRENGTH, PSI	2000 MIN	2360
ULTIMATE ELONGATION, %	250 MIN	295
MODULUS @ 100%, PSI	-----	540
 <u>HEAT RESISTANCE (ASTM D 573)</u>		
<u>70 HRS @ 100 C</u>		
CHANGE IN HARDNESS, PTS	+/- 5	+3
CHANGE IN TENSILE, %	+/-15	-4
CHANGE IN ELONGATION, %	-15 MAX	-10
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>70 HRS @ 100 C</u>		
% SET	25 MAX	10
 <u>FUEL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN FUEL A @ 23 C</u>		
CHANGE IN HARDNESS, PTS	+/- 10	+2
CHANGE IN TENSILE, %	-25 MAX	-8
CHANGE IN ELONGATION, %	-25 MAX	-11
CHANGE IN VOLUME, %	-5 TO +10	+5
 <u>FUEL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN FUEL B @ 23 C</u>		
CHANGE IN HARDNESS, PTS	0 TO -30	-4
CHANGE IN TENSILE, %	-60 MAX	-11
CHANGE IN ELONGATION, %	-60 MAX	-20
CHANGE IN VOLUME, %	0 TO +40	+6
 <u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN OIL #1 @ 100 C</u>		
CHANGE IN HARDNESS, PTS	-7 TO +5	+1
CHANGE IN TENSILE, %	-20 MAX	-5
CHANGE IN ELONGATION, %	-40 MAX	-11
CHANGE IN VOLUME, %	-5 TO +5	+3

OIL RESISTANCE (ASTM D 471)  
70 HRS IN OIL # IRM 903 @ 100 C

CHANGE IN HARDNESS, PTS  
CHANGE IN TENSILE, %  
CHANGE IN ELONGATION, %  
CHANGE IN VOLUME, %

-5 TO +10  
-35 MAX  
-40 MAX  
0 TO +25

+2  
-4  
-18  
+3

COLOR

REPORT

BLACK

S.G.

REPORT

1.30