



R.E.A.L. SEAL CO.
MATERIAL DATA SHEET
COMPOUND # F9001

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>F9001</u>
HARDNESS, SHORE A PTS	90 +/- 5	88
ULTIMATE TENSILE STRENGTH, PSI	1450 MIN	2458
ULTIMATE ELONGATION, %	100 MIN	147
 <u>HEAT RESISTANCE (ASTM D 573)</u>		
<u>70 HRS @ 250 C</u>		
CHANGE IN HARDNESS, PTS	+10 MAX	+2
CHANGE IN TENSILE, %	-25 MAX	-10
CHANGE IN ELONGATION, %	-25 MAX	-1
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 200 C</u>		
% SET	20 MAX	16
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>336 HRS @ 200 C</u>		
% SET	45 MAX	29
 <u>FUEL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN FUEL B @ 23 C</u>		
CHANGE IN HARDNESS, PTS	+/- 5	+4
CHANGE IN TENSILE, %	-20 MAX	-4
CHANGE IN ELONGATION, %	-20 MAX	-5
CHANGE IN VOLUME, %	0 TO +10	+2
 <u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN ARM 200 @ 200 C</u>		
CHANGE IN HARDNESS, PTS	-15 TO +5	+3
CHANGE IN TENSILE, %	-40 MAX	-15
CHANGE IN ELONGATION, %	-20 MAX	+31
CHANGE IN VOLUME, %	+25 MAX	+21