



R.E.A.L. SEAL CO.
MATERIAL DATA SHEET
COMPOUND # F7001

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>F7001</u>
HARDNESS, SHORE A PTS	75 +/- 5	76
ULTIMATE TENSILE STRENGTH, PSI	1450 MIN	1735
ULTIMATE ELONGATION, %	125 MIN	198
 <u>HEAT RESISTANCE (ASTM D 573)</u>		
<u>70 HRS @ 275 C</u>		
CHANGE IN HARDNESS, PTS	-5 TO +10	+3
CHANGE IN TENSILE, %	-40 MAX	-21
CHANGE IN ELONGATION, %	-20 MAX	+40
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 200 C</u>		
% SET	20 MAX	8
 <u>FUEL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN FUEL B @ 23 C</u>		
CHANGE IN HARDNESS, PTS	+/- 5	-2
CHANGE IN TENSILE, %	-20 MAX	-14
CHANGE IN ELONGATION, %	-20 MAX	-10
CHANGE IN VOLUME, %	0 TO +10	+2
 <u>FUEL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN FUEL C @ 23 C</u>		
CHANGE IN HARDNESS, PTS	+/- 5	-2
CHANGE IN TENSILE, %	-25 MAX	-13
CHANGE IN ELONGATION, %	-20 MAX	-11
CHANGE IN VOLUME, %	0 TO +10	+4
 <u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN STAUFFER 7700 @ 200 C</u>		
CHANGE IN HARDNESS, PTS	-15 TO +5	-7
CHANGE IN TENSILE, %	-40 MAX	-6
CHANGE IN ELONGATION, %	-20 MAX	-7
CHANGE IN VOLUME, %	+25 MAX	+15