



**R.E.A.L. SEAL CO.**  
**MATERIAL DATA SHEET**  
**COMPOUND # FB7001**

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>FB7001</u>
HARDNESS, SHORE A PTS	75 +/-5	76
ULTIMATE TENSILE STRENGTH, PSI	1450 MIN	1624
ULTIMATE ELONGATION, %	100 MIN	198
 <u>HEAT RESISTANCE (ASTM D 573)</u>		
<u>70 HRS @ 250 C</u>		
CHANGE IN HARDNESS, PTS	-5 TO +10	NC
CHANGE IN TENSILE, %	-40 MAX	-14
CHANGE IN ELONGATION, %	-20 MAX	-22
 <u>HEAT RESISTANCE (ASTM D 573)</u>		
<u>70 HRS @ 275 C</u>		
CHANGE IN HARDNESS, PTS	-5 TO +10	+2
CHANGE IN TENSILE, %	-40 MAX	-19
CHANGE IN ELONGATION, %	-20 MAX	+4
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 200 C</u>		
% SET	20 MAX	13
 <u>OZONE RESISTANCE (ASTM D 1171)</u>		
	REPORT	NO CRACKS
 <u>FLUID RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN FUEL C @ 23 C</u>		
CHANGE IN DURO, PTS	+/- 5	-4
CHANGE IN TENSILE, %	-25 MAX	-22
CHANGE IN ELONGATION, %	-20 MAX	-17
CHANGE IN VOLUME, %	0 TO +10	+6
 <u>FLUID RESISTANCE (ASTM D 471)</u>		
<u>70 HRS IN STAUFFER 7700 @ 200 C</u>		
CHANGE IN DURO, PTS	-15 TO +5	-7
CHANGE IN TENSILE, %	-40 MAX	-25
CHANGE IN ELONGATION, %	-20 MAX	-16
CHANGE IN VOLUME, %	+25 MAX	+21
 <u>LOW TEMP RESISTANCE (ASTM D 2137)</u>		
<u>3 MIN @ -25 C</u>		
	REPORT	PASS

COLOR

REPORT

BROWN