



R.E.A.L. SEAL CO.
MATERIAL DATA SHEET
COMPOUND # 65290

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>65290</u>
HARDNESS, SHORE A PTS	90 +/- 5	93
ULTIMATE TENSILE STRENGTH, PSI	5000 MIN	6217
ULTIMATE ELONGATION, %	450 MIN	566
MODULUS @ 100%, PSI	-----	1834
MODULUS @ 300%, PSI	-----	3342
 <u>HEAT RESISTANCE (ASTM D 573)</u>		
<u>70 HRS @ 100 C</u>		
CHANGE IN HARDNESS, PTS	+15 MAX	-1
CHANGE IN TENSILE, %	-20 MAX	-10
CHANGE IN ELONGATION, %	-40 MAX	-7
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>70 HRS @ 70 C</u>		
% SET	35 MAX	21
 <u>COMPRESSION SET (ASTM D395B)</u>		
<u>70 HRS @ 100 C</u>		
% SET	65 MAX	62
 <u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS @ 100 C IN ASTM #1</u>		
CHANGE IN HARDNESS, PTS	-5 TO +15	NC
CHANGE IN TENSILE, %	-25 MAX	-12
CHANGE IN ELONGATION, %	-45 MAX	-5
CHANGE IN VOLUME, %	-10 TO +5	NC
 <u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS @ 100 C IN IRM # 903</u>		
CHANGE IN HARDNESS, PTS	0 TO -15	-3
CHANGE IN TENSILE, %	-45 MAX	-12
CHANGE IN ELONGATION, %	-45 MAX	-4
CHANGE IN VOLUME, %	0 TO +35	+4

WATER RESISTANCE (ASTM D 471)

70 HRS @ 100 C

CHANGE IN DURO, PTS	+/- 10	-1
CHANGE IN TENSILE, %	-50 MAX	-15
CHANGE IN ELONGATION, %	-50 MAX	+5
CHANGE IN VOLUME, %	0 TO +25	+4

FUEL RESISTANCE (ASTM D 471)

70 HRS @ R.T. IN UNLEADED GASOLINE

CHANGE IN HARDNESS, PTS	+/- 10	-3
CHANGE IN TENSILE, %	-60 MAX	-18
CHANGE IN ELONGATION, %	-60 MAX	-2
CHANGE IN VOLUME, %	0 TO +40	+7

TEAR, DIE C (ASTM D 624)

PLI	500 MIN	690
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SPECIFIC GRAVITY (ASTM D 297)

S.G.	REPORT	1.17
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