



**R.E.A.L. SEAL CO.**  
**MATERIAL DATA SHEET**  
**COMPOUND # A-167-75**

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>A-167-75</u>
HARDNESS, SHORE A PTS	75 +/- 5	73
ULTIMATE TENSILE STRENGTH, PSI	2000 MIN	2547
ULTIMATE ELONGATION, %	150 MIN	254
MODULUS @ 100%, PSI	1000 MIN	1497
 <u>HEAT RESISTANCE (ASTM D 573)</u>		
<u>70 HRS @ 275 C</u>		
CHANGE IN HARDNESS, PTS	+5 MAX	NC
CHANGE IN TENSILE, %	-50 MAX	-34
CHANGE IN ELONGATION, %	-50 MAX	+22
 <u>COMPRESSION SET (ASTM D 395B)</u>		
<u>70 HRS @ 200 C</u>		
% SET	50 MAX	31
 <u>FUEL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS @ R.T. IN FUEL A</u>		
CHANGE IN HARDNESS, PTS	-25 MAX	-15
CHANGE IN TENSILE, %	-75 MAX	-48
CHANGE IN ELONGATION, %	-35 MAX	+12
CHANGE IN VOLUME, %	+75 MAX	+30
 <u>FUEL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS @ R.T. IN FUEL B</u>		
CHANGE IN HARDNESS, PTS	-25 MAX	-20
CHANGE IN TENSILE, %	-75 MAX	-61
CHANGE IN ELONGATION, %	-35 MAX	-10
CHANGE IN VOLUME, %	+75 MAX	+63
 <u>OIL RESISTANCE (ASTM D 471)</u>		
<u>70 HRS @ 150 C IN OIL #1</u>		
CHANGE IN HARDNESS, PTS	+/- 5 MAX	+1
CHANGE IN TENSILE, %	-25 MAX	+3
CHANGE IN ELONGATION, %	-25 MAX	NC
CHANGE IN VOLUME, %	0 TO +5	+2

OIL RESISTANCE (ASTM D 471)

70 HRS @ 150 C IN OIL #3

CHANGE IN HARDNESS, PTS	-10 MAX	-5
CHANGE IN TENSILE, %	-50 MAX	-24
CHANGE IN ELONGATION, %	-25 MAX	NC
CHANGE IN VOLUME, %	+20 MAX	+14

FLUID RESISTANCE (ASTM D 471)

168 HRS @ 171 C IN NACE A/ WATER (1%/99%)

CHANGE IN HARDNESS, PTS	-10 MAX	-5
CHANGE IN TENSILE, %	-25 MAX	-6
CHANGE IN ELONGATION, %	+/- 50 MAX	+34
CHANGE IN VOLUME, %	+50 MAX	+30