



R.E.A.L. SEAL CO.
MATERIAL DATA SHEET
COMPOUND #M-55D

<u>ORIGINAL PHYSICAL PROPERTIES</u>	<u>SPEC</u>	<u>M-55D</u>
HARDNESS, SHORE D PTS	55 +/- 5	58
ULTIMATE TENSILE STRENGTH, PSI	6500 MIN	7215
ULTIMATE ELONGATION, %	300 MIN	415
MODULUS @ 50%, PSI	REPORT	2200
MODULUS @ 100%, PSI	REPORT	2450
MODULUS @ 300% PSI	REPORT	5300
<u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 23C</u>		
% SET	25 MAX	24
<u>COMPRESSION SET (ASTM D 395B)</u>		
<u>22 HRS @ 70C</u>		
% SET	65 MAX	27
<u>TEAR STRENGTH (ASTM D624 DIE C)</u>		
PLI	650 MIN	1025
<u>SPECIFIC GRAVITY</u>	REPORT	1.21
<u>AIR HEAT AGING (ASTM D573)</u>		
<u>70 HRS @ 100 C</u>		
CHANGE IN DURO, PTS	+/- 5	+1
CHANGE IN TENSILE, %	-15 MAX	+2
CHANGE IN ELONG, %	-15 MAX	+2
<u>FLUID AGING (ASTM D471)</u>		
<u>70 HRS @ 100 C IN ASTM OIL #1</u>		
CHANGE IN DURO, PTS	+15 MAX	+4
CHANGE IN TENSILE, %	+25 MAX	+10
CHANGE IN ELONGATION, %	+25 MAX	+21
CHANGE IN VOLUME, %	-10 TO +5	+1

FLUID AGING (ASTM D471)

70 HRS @ 100 C IN ASTM OIL #3

CHANGE IN DURO, PTS	+15 MAX	+2
CHANGE IN TENSILE, %	+25 MAX	-3
CHANGE IN ELONGATION, %	+25 MAX	+8
CHANGE IN VOLUME, %	-5 TO +10	+4

ABRASION RESISTANCE (ASTM D 1044)

Mg/1000 CYCLES

TABER H-22 WHEEL, 1000 g LOAD	REPORT	60
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