R.E.A.L. SEAL CO.
MATERIAL DATA SHEET
COMPOUND # 9490

ORIGINAL PHYSICAL PROPERTIES	SPEC	9490
HARDNESS, SHORE A PTS	90 +/-5	91
ULTIMATE TENSILE STRENGTH, PSI	1450 MIN	2324
ULTIMATE ELONGATION, %	100 MIN	118
HEAT RESISTANCE (ASTM D 573)		
70 HRS @ 232 C		
CHANGE IN HARDNESS, PTS	+/- 5	NC
CHANGE IN TENSILE, %	-15 MAX	-5
CHANGE IN ELONGATION, %	-15 MAX	-3
CHANGE IN WEIGHT, %	REPORT	-0.15
HEAT RESISTANCE (ASTM D 573)		
70 HRS @ 270 C		
CHANGE IN HARDNESS, PTS	+/-5	+1
CHANGE IN TENSILE, %	-65 MAX	-22
CHANGE IN ELONGATION, %	-65 MAX	+52
CHANGE IN WEIGHT, %	REPORT	-1.98
HEAT RESISTANCE (ASTM D 573)		
70 HRS @ 290 C		
CHANGE IN HARDNESS, PTS	-----	-6
CHANGE IN TENSILE, %	-----	-52
CHANGE IN ELONGATION, %	-----	+144
CHANGE IN WEIGHT, %	-----	-2.56
HEAT RESISTANCE (ASTM D 573)		
168 HRS @ 230 C		
CHANGE IN HARDNESS, PTS	-----	-1
CHANGE IN TENSILE, %	-----	+1
CHANGE IN ELONGATION, %	-----	+3
CHANGE IN WEIGHT, %	-----	-0.22
HEAT RESISTANCE (ASTM D 573)		
720 HRS @ 230 C		
CHANGE IN HARDNESS, PTS	-----	-2
CHANGE IN TENSILE, %	-----	-24
CHANGE IN ELONGATION, %	-----	+50

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FLUID RESISTANCE (ASTM D 471)		
168 HRS IN GLACIAL ACETIC ACID @ 40 C		
CHANGE IN DURO, PTS	-10 MAX	+1
CHANGE IN VOLUME, %	+10 MAX	+3
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN 10% ACETIC ACID @ 40 C REFLUX		
CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	+1
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN ACETIC ANHYDRIDE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	+1
CHANGE IN VOLUME, %	+10 MAX	-0.1
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN ACETONE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	-0.1
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN BUTYL ACETATE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	-0.4
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN CYCLOHEXANONE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-3
CHANGE IN VOLUME, %	+10 MAX	-.5
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN DMF @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	NC
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN ETHANOLAMINE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-2
CHANGE IN VOLUME, %	+10 MAX	-0.7
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN ETHYL ACETATE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	+0.9
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN FREON 134A @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-8
CHANGE IN VOLUME, %	+10 MAX	+5

FLUID RESISTANCE (ASTM D 471)		
168 HRS IN FREON 134A @ 100 C		
CHANGE IN DURO, PTS	-25 MAX	-14
CHANGE IN VOLUME, %	+25 MAX	+20
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN HEXANE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	+1
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN 10% HCL @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	+0.7
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN HF, 60% @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	+1
CHANGE IN VOLUME, %	+10 MAX	+2
FLUID RESISTANCE (ASTM D 471)		
70 HRS IN IRM 903 @ 230 C		
CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	+2.5
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN METHANOL @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	-0.5
FLUID RESISTANCE (ASTM D 471)		
70 HRS IN MEK @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	NC
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN MIBK @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	-0.3
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN MTBE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	-0.4
FLUID RESISTANCE (ASTM D 471)		
70 HRS IN MOBILE OIL #254 @ 200 C		
CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	+3

FLUID RESISTANCE (ASTM D 471)		
250 HRS IN MOBILE OIL #254 @ 200 C		
CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	+8
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN NITRIC ACID, 70% @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-3
CHANGE IN VOLUME, %	+10 MAX	+7
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN PYRIDINE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	-0.4
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN SKYDROL 500 @ 121 C		
CHANGE IN DURO, PTS	-10 MAX	-2
CHANGE IN VOLUME, %	+10 MAX	+4
FLUID RESISTANCE (ASTM D 471)		
70 HRS IN SKYDROL 500 @ 121 C		
CHANGE IN DURO, PTS	-10 MAX	-2
CHANGE IN VOLUME, %	+10 MAX	+4
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN SODIUM HYDROXIDE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	+1
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN SODIUM HYDROXIDE @ 100 C		
CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	+1
FLUID RESISTANCE (ASTM D 471)		
70 HRS IN SATURATED STEAM @ 222 C		
CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	+0.5
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN SATURATED STEAM @ 160 C		
CHANGE IN DURO, PTS	-15 MAX	-4
CHANGE IN VOLUME, %	+15 MAX	+9
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN SATURATED STEAM @ 232 C		
CHANGE IN DURO, PTS	-----	-9
CHANGE IN VOLUME, %	-----	+48

FLUID RESISTANCE (ASTM D 471)
168 HRS IN STYRENE @ 23 C

CHANGE IN DURO, PTS	-10 MAX	+1
CHANGE IN VOLUME, %	+10 MAX	-0.08

FLUID RESISTANCE (ASTM D 471)
168 HRS IN SULFURIC ACID, CONCENTRATED @ 40 C

CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	+1

FLUID RESISTANCE (ASTM D 471)
168 HRS IN SULFURIC ACID, CONCENTRATED @ 120 C

CHANGE IN DURO, PTS	-10 MAX	-3
CHANGE IN VOLUME, %	+10 MAX	+4

FLUID RESISTANCE (ASTM D 471)
168 HRS IN THF @ 23 C

CHANGE IN DURO, PTS	-10 MAX	-3
CHANGE IN VOLUME, %	+10 MAX	+1

FLUID RESISTANCE (ASTM D 471)
168 HRS IN THF @ 40 C

CHANGE IN DURO, PTS	-10 MAX	-2
CHANGE IN VOLUME, %	+10 MAX	+2.5

FLUID RESISTANCE (ASTM D 471)
168 HRS IN TOLUENE @ 23 C

CHANGE IN DURO, PTS	-10 MAX	NC
CHANGE IN VOLUME, %	+10 MAX	-0.6

FLUID RESISTANCE (ASTM D 471)
168 HRS IN TOLUENE @ 40 C

CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	+1.77

FLUID RESISTANCE (ASTM D 471)
168 HRS IN TRIETHANOLAMINE @ 23 C

CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	+0.54

FLUID RESISTANCE (ASTM D 471)
168 HRS IN WAGNER 21B BRAKE FLUID @ 23 C

CHANGE IN DURO, PTS	-10 MAX	+1
CHANGE IN VOLUME, %	+10 MAX	+0.73

FLUID RESISTANCE (ASTM D 471)
168 HRS IN WATER @ 160 C

CHANGE IN DURO, PTS	-15 MAX	-3
CHANGE IN VOLUME, %	+15 MAX	+12

FLUID RESISTANCE (ASTM D 471)		
168 HRS IN WATER @ 232 C		
CHANGE IN DURO, PTS	-15 MAX	-4
CHANGE IN VOLUME, %	+15 MAX	+12
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN WATER @ 250 C		
CHANGE IN DURO, PTS	-----	-34
CHANGE IN VOLUME, %	-----	+36
FLUID RESISTANCE (ASTM D 471)		
168 HRS IN XYLENE @ 23 C		
CHANGE IN DURO, PTS	-10 MAX	-1
CHANGE IN VOLUME, %	+10 MAX	NC
COMPRESSION SET (ASTM D 395B)		
70 HRS @ 200 C		
% SET	25 MAX	19
COMPRESSION SET (ASTM D 395B)		
168 HRS @ 200 C		
% SET	30 MAX	24
COMPRESSION SET (ASTM D 395B)		
720 HRS @ 200 C		
% SET	35 MAX	31
COMPRESSION SET (ASTM D 395B)		
70 HRS @ 232 C		
% SET	35 MAX	28
COMPRESSION SET (ASTM D 395B)		
168 HRS @ 232 C		
% SET	50 MAX	46
COMPRESSION SET (ASTM D 395B)		
720 HRS @ 200 C		
% SET	-----	60
COMPRESSION SET (ASTM D 395B)		
70 HRS @ 260 C		
% SET	-----	61
COMPRESSION SET (ASTM D 395B)		
168 HRS @ 260 C		
% SET	-----	88
COLOR	REPORT	BLACK