

R.E.A.L. SEAL CO. MATERIAL DATA SHEET COMPOUND # 9475

ORIGINAL PHYSICAL PROPERTIES HARDNESS, SHORE A PTS ULTIMATE TENSILE STRENGTH, PSI ULTIMATE ELONGATION, % MODULUS @ 100%, PSI	<u>SPEC</u> 75 +/-5 1450 MIN 100 MIN	9475 75 2750 130 1600
HEAT RESISTANCE (ASTM D 573) 70 HRS @ 232 C CHANGE IN HARDNESS, PTS CHANGE IN TENSILE, % CHANGE IN ELONGATION, % CHANGE IN WEIGHT, %	+/- 5 -15 MAX -15 MAX REPORT	NC -6 -5 -0.17
HEAT RESISTANCE (ASTM D 573) 70 HRS @ 270 C CHANGE IN HARDNESS, PTS CHANGE IN TENSILE, % CHANGE IN ELONGATION, % CHANGE IN WEIGHT, %	+/-5 -65 MAX -65 MAX REPORT	+2 -25 +60 -2.30
HEAT RESISTANCE (ASTM D 573) 70 HRS @ 290 C CHANGE IN HARDNESS, PTS CHANGE IN TENSILE, % CHANGE IN ELONGATION, % CHANGE IN WEIGHT, %	 	-7 -64 +197 -3.00
HEAT RESISTANCE (ASTM D 573) 168 HRS @ 230 C CHANGE IN HARDNESS, PTS CHANGE IN TENSILE, % CHANGE IN ELONGATION, % CHANGE IN WEIGHT, %	 	-1 +1 +4 -0.31
HEAT RESISTANCE (ASTM D 573) 720 HRS @ 230 C CHANGE IN HARDNESS, PTS CHANGE IN TENSILE, % CHANGE IN ELONGATION, %	 	-3 -34 +55

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FLUID RESISTANCE (ASTM D 471) 168 HRS IN GLACIAL ACETIC ACID @ 40 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	+1 +2
FLUID RESISTANCE (ASTM D 471) 168 HRS IN 10% ACETIC ACID @ 40 C REFLUX CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	NC +1
FLUID RESISTANCE (ASTM D 471) 168 HRS IN ACETIC ANHYDRIDE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	+1 -0.2
FLUID RESISTANCE (ASTM D 471) 168 HRS IN ACETONE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 -0.2
FLUID RESISTANCE (ASTM D 471) 168 HRS IN BUTYL ACETATE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 -0.5
FLUID RESISTANCE (ASTM D 471) 168 HRS IN CYCLOHEXANONE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-2 -0.7
FLUID RESISTANCE (ASTM D 471) 168 HRS IN DMF @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	NC NC
FLUID RESISTANCE (ASTM D 471) 168 HRS IN ETHANOLAMINE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-2 -0.7
FLUID RESISTANCE (ASTM D 471) 168 HRS IN ETHYL ACETATE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 +0.4
FLUID RESISTANCE (ASTM D 471) 168 HRS IN FREON 134A @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-15 MAX +20 MAX	-10 +15

FLUID RESISTANCE (ASTM D 471) 168 HRS IN FREON 134A @ 100 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-25 MAX +25 MAX	-15 +23
FLUID RESISTANCE (ASTM D 471) 168 HRS IN HEXANE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	+1 +0.7
FLUID RESISTANCE (ASTM D 471) 168 HRS IN 10% HCL @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 +0.4
FLUID RESISTANCE (ASTM D 471) 168 HRS IN HF, 60% @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	+1 +1.24
FLUID RESISTANCE (ASTM D 471) 70 HRS IN IRM 903 @ 230 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 +2
FLUID RESISTANCE (ASTM D 471) 168 HRS IN METHANOL @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	NC -0.6
FLUID RESISTANCE (ASTM D 471) 70 HRS IN MEK @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 -0.2
FLUID RESISTANCE (ASTM D 471) 168 HRS IN MIBK @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	NC -0.3
FLUID RESISTANCE (ASTM D 471) 168 HRS IN MTBE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	NC -0.6
FLUID RESISTANCE (ASTM D 471) 70 HRS IN MOBILE OIL #254 @ 200 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 +2

FLUID RESISTANCE (ASTM D 471) 250 HRS IN MOBILE OIL #254 @ 200 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	NC +9
FLUID RESISTANCE (ASTM D 471) 168 HRS IN NITRIC ACID, 70% @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-3 +6.14
FLUID RESISTANCE (ASTM D 471) 168 HRS IN PYRIDINE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 -0.4
FLUID RESISTANCE (ASTM D 471) 168 HRS IN SKYDROL 500 @ 121 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-2 +3.4
FLUID RESISTANCE (ASTM D 471) 70 HRS IN SKYDROL 500 @ 121 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-2 +3.5
FLUID RESISTANCE (ASTM D 471) 168 HRS IN SODIUM HYDROXIDE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 +0.5
FLUID RESISTANCE (ASTM D 471) 168 HRS IN SODIUM HYDROXIDE @ 100 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	NC +0.8
FLUID RESISTANCE (ASTM D 471) 70 HRS IN SATURATED STEAM @ 222 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	NC +0.3
FLUID RESISTANCE (ASTM D 471) 168 HRS IN SATURATED STEAM @ 160 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-15 MAX +15 MAX	-3 +9
FLUID RESISTANCE (ASTM D 471) 168 HRS IN SATURATED STEAM @ 232 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %		-7 +44.70

FLUID RESISTANCE (ASTM D 471) 168 HRS IN SATURATED STEAM @ 250 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	 	-16 +22.60
FLUID RESISTANCE (ASTM D 471) 168 HRS IN STYRENE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	+1 -0.15
FLUID RESISTANCE (ASTM D 471) 168 HRS IN SULFURIC ACID, CONCENTRATED CHANGE IN DURO, PTS CHANGE IN VOLUME, %	<u>@ 40 C</u> -10 MAX +10 MAX	-1 +0.4
FLUID RESISTANCE (ASTM D 471) 168 HRS IN SULFURIC ACID, CONCENTRATED CHANGE IN DURO, PTS CHANGE IN VOLUME, %	<u>@ 120 C</u> -10 MAX +10 MAX	-3 +3.11
FLUID RESISTANCE (ASTM D 471) 168 HRS IN THF @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-3 +0.75
FLUID RESISTANCE (ASTM D 471) 168 HRS IN THF @ 40 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-2 +2.00
FLUID RESISTANCE (ASTM D 471) 168 HRS IN TOLUENE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	NC -0.80
FLUID RESISTANCE (ASTM D 471) 168 HRS IN TOLUENE @ 40 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 +1.03
FLUID RESISTANCE (ASTM D 471) 168 HRS IN TRIETHANOLAMINE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 +0.28
FLUID RESISTANCE (ASTM D 471) 168 HRS IN WAGNER 21B BRAKE FLUID @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	<u>C</u> -10 MAX +10 MAX	+1 +0.45

FLUID RESISTANCE (ASTM D 471) 168 HRS IN WATER @ 160 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-15 MAX +15 MAX	-3 +11.70
FLUID RESISTANCE (ASTM D 471) 168 HRS IN WATER @ 232 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-15 MAX +15 MAX	-4 +11.80
FLUID RESISTANCE (ASTM D 471) 168 HRS IN WATER @ 250 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	 	-32 +34.90
FLUID RESISTANCE (ASTM D 471) 168 HRS IN XYLENE @ 23 C CHANGE IN DURO, PTS CHANGE IN VOLUME, %	-10 MAX +10 MAX	-1 +0.10
COMPRESSION SET (ASTM D 395B) 70 HRS @ 200 C % SET	25 MAX	17
COMPRESSION SET (ASTM D 395B) 168 HRS @ 200 C % SET	30 MAX	21
COMPRESSION SET (ASTM D 395B) 720 HRS @ 200 C % SET	35 MAX	30
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	42
COMPRESSION SET (ASTM D 395B) 720 HRS @ 200 C % SET		56
COMPRESSION SET (ASTM D 395B) 70 HRS @ 260 C % SET		57
COMPRESSION SET (ASTM D 395B) 168 HRS @ 260 C % SET		79
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COLOR REPORT **BLACK**