

Specification: ASTM D2000 M4HK710 A1-11 B38 EF31 EO78 Z1 Z2

Z1: Hardness = 75±5 Shore A, Z2: Viton Type A

Cure System: Bisphenol

Recommended Service Temperature: 5 °F to 446 °F (-15 °C to 230 °C)

NOTE: All testing done on slabs and buttons. Material formerly known as V575.

Original Properties	Specification	V75
Hardness, Shore A	75±5	73
Tensile Strength, psi	1450 (min)	1796
Ultimate Elongation, %	175 (min)	202
Specific Gravity		1.862
Color		Black

#### Heat Resistance - A1-11 , ASTM D 573 (70 hrs @ 275 °C)

Hardness Change, points	+10	+2
Tensile Strength Change, %	-40	+4.2
Elongation Change, %	-20	-16.5

#### Compression Set, % - B38, ASTM D 395 Method B (22 hrs @ 200 °C)

Permanent Set, %	50 (max)	17.1
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#### Fluid Resistance, ASTM Fuel C - EF31, ASTM D 471 (70 hrs @ 23 °C)

Hardness Change, points	±5	-4
Tensile Strength Change, %	-25 (max)	-18.1
Elongation Change, %	-20 (max)	-9.6
Volume Change, %	0 to +10	+4.7

#### Fluid Resistance, ASTM #101 Oil - EO78, ASTM D 471 (70 hrs @ 200 °C)

Hardness Change, points	-15 to +5	-8
Tensile Strength Change, %	-40 (max)	-13.5
Elongation Change, %	-20 (max)	-12.7
Volume Change, %	0 to +15	+11.6