

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

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.



DICHTOMATIK
AMERICAS

1087 Park Place
Shakopee, MN 55379
800-328-2840
www.dichtomatik.us