

Specification: ASTM D2000 M7BG910 A14 B14 EA14 EF11 EF21 EO14 EO34

Cure System: Sulphur

Recommended Service Temperature: -13 °F to 212 °F (-25 °C to 100 °C)

NOTE: All testing done on slabs and buttons. Material formerly known as N90R.

Original Properties	Specification	N90
Hardness, Shore A	90±5	90
Tensile Strength, psi	1450 (min)	2153
Ultimate Elongation, %	100 (min)	132
Specific Gravity		1.295
Color		Black
Heat Resistance - A14 , ASTM D 573 (70 hrs @ 100 °C)		
Hardness Change, points	±15	+2
Tensile Strength Change, %	±30	+3.5
Elongation Change, %	-50 (max)	-16.4
Compression Set, % - B14, ASTM D 395 Method B (22 hrs @ 100 °C)		
Permanent Set, %	25 (max)	9.6
Fluid Resistance, Water - EA14, ASTM D471 (70 hrs @ 100 °C)		
Hardness Change, points	±10	-3
Volume Change, %	±15	+4.1
Fluid Resistance, ASTM Fuel A - EF11, ASTM D 471 (70 hrs @ 23 °C)		
Hardness Change, points	±10	-3
Tensile Strength Change, %	-25 (max)	-6.9
Elongation Change, %	-25 (max)	-5.7
Volume Change, %	-5 to +10	+2.3
Fluid Resistance, ASTM Fuel B - EF21, ASTM D 471 (70 hrs @ 23 °C)		
Hardness Change, points	-30 to 0	-10
Tensile Strength Change, %	-60 (max)	-22.1
Elongation Change, %	-60 (max)	-7.2
Volume Change, %	0 to +40	+12.1
Fluid Resistance, IRM 901 - EO14, ASTM D 471 (70 hrs @ 100 °C)		
Hardness Change, points	-5 to +5	+3
Tensile Strength Change, %	-25 (max)	+2.7
Elongation Change, %	-45 (max)	-12.6
Volume Change, %	-10 to +5	-3.1
Fluid Resistance, IRM 903 - EO34, ASTM D 471 (70 hrs @ 100 °C)		
Hardness Change, points	-10 to +5	-3
Tensile Strength Change, %	-45 (max)	-9.1
Elongation Change, %	-45 (max)	+2.1
Volume Change, %	0 to +25	+9.6

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.



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