

Specification: ASTM D2000 M2HK910 A1-10 B38 EF31 EO78

Cure System: Bisphenol

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

NOTE: All testing done on slabs and buttons.

Original Properties	Specification	V90
Hardness, Shore A	90±5	90
Tensile Strength, psi	1450 (min)	1843
Ultimate Elongation, %	100 (min)	128
Specific Gravity		1.833
Color		Black
Heat Resistance - A1-10 , ASTM D 573 (70 hrs @ 250 °C)		
Hardness Change, points	+10	+2
Tensile Strength Change, %	-25	-3.1
Elongation Change, %	-25	-9.5
Compression Set, % - B38, ASTM D 395 Method B (22 hrs @ 200 °C)		
Permanent Set, %	50 (max)	20.7
Fluid Resistance, ASTM Fuel C - EF31, ASTM D 471 (70 hrs @ 23 °C)		
Hardness Change, points	±5	-3
Tensile Strength Change, %	-25 (max)	-13.2
Elongation Change, %	-20 (max)	-6.7
Volume Change, %	0 to +10	+2.2
Fluid Resistance, ASTM #101 Oil - EO78, ASTM D 471 (70 hrs @ 200 °C)		
Hardness Change, points	-15 to +5	-9
Tensile Strength Change, %	-40 (max)	-15.8
Elongation Change, %	-20 (max)	-8.2
Volume Change, %	0 to +15	+11.1