

**Typical Properties of Cured Compound
Compound N-9006
90 Durometer Nitrile Rubber, Hi/Lo Temp Service**

vs. ASTM D2000 M4CH910 A25 B14 EO15 EO35 F16 Z1=UL Recognized Z2=TR 10

Original Physical Properties	Spec	N-9006
Hardness, Shore A durometer points	90 ± 5	88
Tensile Strength, min psi	1450	2651
Elongation, min %	100	129
Modulus @ 100% Elongation, psi		2144
A25 Heat Resistance: Test Method D 573, 70 hr @ 125°C		
Hardness Change, max durometer points	0 to +15	+6
Tensile Change, %	-25	-9
Elongation Change, %	-50	-33
B14 Compression Set: Test Method D 395, Method B, 22 hr @ 100°C		
% of Original Deflection, max	25	6
EO15 Fluid Resistance: Test Method D 471, No. 1 Oil, 70 hr @ 125°C		
Hardness Change, max durometer points	0 to +10	+3
Tensile Change, %	-20	-2
Elongation Change, %	-35	-13
Volume Change, %	-15 to +5	-3
EO35 Fluid Resistance: Test Method D 471, No. 3 Oil, 70 hr @ 125°C		
Hardness Change, max durometer points	± 10	-10
Tensile Change, %	-15	+2
Elongation Change, %	-30	-12
Volume Change, %	0 to +25	+16
F16 Low Temp Resistance, Test Method D 2137 (A), 3 min @ -35°C		
	non-brittle	pass
Z2 Temperature Retraction, degrees C, TR 10		
		-36.8

***Recognized End Use Applications per UL 157**

- Manufactured gas or natural gas
- Diesel fuel, fuel oil or lubricating oil
- Liquefied petroleum (LP) gas

The data shown here are provided as an engineering guide only, and should not be used for the purpose of establishing performance limits. These values were obtained using established standard test procedures, and are believed to be reliable. However, due to the variables that may be encountered in actual use, it is always advisable to test the material under actual service conditions before specification.