Typical Properties of Cured Compound
Compound N-8002
80 Durometer Nitrile Rubber, UL Recognized*

vs. ASTM D 2000 M7BG810 B14 EO14 EO34 F16

Original Physical Properties	Spec	N-8002
Hardness, Shore A durometer points	80 ± 5	79
Tensile Strength, min psi	1450	2421
Elongation, min %	125	211
Heat Resistance: Test Method D 573, 70 hr @ 100˚C		
Hardness Change, durometer points		+4
Tensile Change, %		+7
Elongation Change, %		-23
Compression Set: Test Method D 395, Method B, 22 hr @ 100˚C		
% of Original Deflection, max	25	10
Fluid Resistance: Test Method D 471, No. 1 Oil, 70 hr @ 100˚C		
Hardness Change, max durometer points	-5 to +5	+5
Tensile Change, %	-25	+4
Elongation Change, %	-45	-21
Volume Change, %	-10 to +5	-9
Fluid Resistance: Test Method D 471, IRM 903 Oil, 70 hr @ 100˚C		
Hardness Change, max durometer points	-10 to +5	-6
Tensile Change, %	-45	-13
Elongation Change, %	-45	-19
Volume Change, %	0 to +25	+6
Low Temp Resistance, Test Method D 2137 (A), 3 min @ -35˚C	non-brittle	pass

***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.