

**Typical Properties of Cured Compound  
Compound FS-7002  
70 Durometer Fluorosilicone Rubber - UL Recognized JMLU2\***

Original Physical Properties	Requirements	Results
Hardness, Shore A durometer points		68
Tensile Strength, psi		1107
Elongation, %		215
<b>Tensile Strength &amp; Elongation, 1000 hr @ 23°C, Test Fluid FB25a</b>		
Tensile Strength, min % of original	60	85
Elongation, min % of original	60	86
<b>Tensile Strength &amp; Elongation, 1000 hr @ 23°C, Test Fluid B100a</b>		
Tensile Strength, min % of original	60	82
Elongation, min % of original	60	85
<b>Tensile Strength &amp; Elongation, 1000 hr @ 23°C, Test Fluid DEFa</b>		
Tensile Strength, min % of original	60	99
Elongation, min % of original	60	96
<b>Compression Set: 1000 hr @ 23°C, Test Fluid FB25a</b>		
Compression Set, max %	35	8.2
<b>Compression Set: 1000 hr @ 23°C, Test Fluid B100a</b>		
Compression Set, max %	35	9.4
<b>Compression Set: 1000 hr @ 23°C, Test Fluid DEFa</b>		
Compression Set, max %	35	9.2
<b>Volume Change Test, 1000 hr @ 23°C, Test Fluid FB25a</b>		
Volume Change, %	-1 to +40	+5.8
<b>Volume Change Test, 1000 hr @ 23°C, Test Fluid B100a</b>		
Volume Change, %	-1 to +40	+5.5
<b>Volume Change Test, 1000 hr @ 23°C, Test Fluid DEFa</b>		
Volume Change, %	-1 to +40	+0.5
<b>Extraction Test, 1000 hr @ 23°C, Test Fluid FB25a</b>		
Extraction, max %	-10	-1.6

	Requirements	Results
<b>Extraction Test, 1000 hr @ 23°C, Test Fluid B100a</b>		
Extraction, max %	-10	-3.1
<b>Extraction Test, 1000 hr @ 23°C, Test Fluid DEFa</b>		
Extraction, max %	-10	-0.2

**\*Recognized End Use Applications per UL 157, UL50/50E, UL87A, UL87B, UL87C**

- Gasoline
- Gasoline/Alcohol blends up to 15% alcohol (ethanol)
- Naphtha or kerosene
- Diesel fuel, fuel oil or lubricating oil
- Suitable for use in UL 50 “Enclosures for Electrical Equipment”, (including oil immersion) gasket applications
- Suitable for use in UL 50E (periodic recompression) “Enclosures for Electrical Equipment, Environmental Considerations”, (including oil immersion) gasket applications
- Suitable for use with gasoline/ethanol blends having an ethanol content up to 85% (E85) for static applications
- Suitable for use with gasoline/ethanol blends having an ethanol content up to 25% (E25) for static applications
- Suitable for use with gasoline/ethanol blends having an ethanol content up to 85% (E85) for dynamic applications
- Suitable for use with gasoline/ethanol blends having an ethanol content up to 25% (E25) for dynamic applications
- Suitable for use with diesel fuel, biodiesel fuel, diesel/biodiesel blends with nominal biodiesel concentrations up to 20 percent (B20), kerosene, and fuel oil for dynamic applications, UL 87B and UL 2586B
- Suitable for use with diesel exhaust fluid for static applications, UL 87C
- Suitable for use with diesel exhaust fluid for dynamic applications, UL 87C

*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.*