

## Preliminary Technical Data Sheet

# 1139-12-109A

### Product Description

1139-12-109A is a fluorosilicone elastomer that may be used for a variety of fuel and solvent resistant applications.

### Key Features and Typical Benefits

- Fuel and solvent resistance
- Excellent processing and handling
- Specifically designed for Turbo hoses

### Typical Product Data

Press cure 15 minutes @ 142°C (287°F), Post cure 4 hours @ 204°C (400°F)  
Catalyst: 2,4 dichloro benzoyl peroxide (Perkadox™ PD-50)

Property	Value
<b>Physical Properties:</b>	
Appearance	Beige
Specific Gravity	1.87
Shore A	70
Tensile [psi]	560
Elongation [%]	120
Tear B [ppi]	70
Compression Set [22 hours @ 177°C (350°F)]	29%
Plasticity	190
Catalyst Level	1.5

### Heat Age 70 hrs @ 204°C (400°F)

Shore A [pts chg]	-1
Tensile [% chg]	+18
Elongation [% chg]	-9

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## Typical Product Data Continued

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Property	Value
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### **Fuel C Immersion, 70 hrs @ 23°C (73°F)**

Shore A [pts chg]	-14
Tensile [% chg]	-10
Elongation, % chg	-22
Volume chg [%]	19

### **IMR903 Oil Immersion, 70 hrs @ 150°C (302°F)**

Shore A [pts chg]	-9
Tensile [% chg]	-3
Elongation [% chg]	-7
Volume chg [%]	+4

This chart contains typical property values and actual values or results may vary.

## Instructions for Use

The optimum cure cycle will depend on the method of processing used and the physical dimensions of the vulcanized product. Some specific applications may require the use of air oven post cures.

## Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

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