

## Material Test Report

**Compound #: V75-G103**

**Viton, Black, General Purpose**

**Description:** 75 durometer black Viton™ A fluoroelastomer compound.

**Application Temperatures:** **High Temp:** 400° F ( 204° C)  
**Low Temp:** Dynamic: 1.4°F (-17°C) Static: -25.6°F(-32°C)

### Compound Information:

- **% Fluorine:** 66%
- **Cure System:** Bisphenol
- **Color:** Black
- **Compounded for:** Molding: (Compression, Injection, Transfer)
- **Form:** Pre-Form, Slab, Strip or Calendered Sheet.
- **Storage:** Preserves best when stored in a cool/dry environment. Rheometer retesting suggested @ 6 months
- **Cured Products:** O-Ring Cord, Profile, Sheet, Tubing
- **Stock:** Yes

### Typical Rheological Properties:

Conditions: MDR .5 ARC 4 minutes @ 370° F (188° C) Per ASTM D-6204.

- **Min torque:** 1.30 Inch/lbs.
- **Max torque:** 23.25 Inch/lbs.
- **Scorch Ts1:** 0.65 Minutes.
- **Cure Tc90:** 1.10 Minutes.

### Typical Physical Properties:

Conditions: Press cured 10 minutes @ 370° F (188° C) and Post cured for 16 hours @ 480° F (250°C).

- **Tensile Strength** (Per ASTM D-412): 2250 PSI (15.5 MPa)
- **100% Modulus** (Per ASTM D-412): 920 PSI (6.3 MPa)
- **Ultimate Elongation** (Per ASTM D-412): 198 %
- **Shore A Hardness** (Per ASTM D-2240): 76 Pts.
- **Specific Gravity** (Per ASTM D-297): 1.85 (H<sub>2</sub>O=1)
- **Compression Set** (Per ASTM D-395): 8.56 % CONDITIONS: 22 hrs@ 392 °F (200°C)

### Compounded to Meet:

- **ASTM D-2000 Call Out:** M6HK810 A1-10 B38 C12 EF31 EO88 Z1  
Z1=75+/-5 DUROMETER SHORE "A"
- **AMS 3216H**

This information is based on tests performed by vendors that we believe are reliable. Your results may vary due to differences in equipment, test types or conditions. It is intended for persons having technical skill and at their own discretion or risk. You must evaluate and determine whether this compound is suitable for your intended application.

**MANUFACTURED IN THE U.S.**

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