

Material Test Report

Compound #: V75-G101

Viton™ GFLTS, Cord, Black, 75 Duro

Description: 75 durometer black Viton™ GFLTS fluoroelastomer compound.

Application Temperatures: **High Temp:** 400° F (204° C)
Low Temp: Dynamic: -11.2°F (-24°C) Static: -40°F(-40°C)

Compound Information:

- **% Fluorine:** 67%
- **Cure System:** Peroxide
- **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:** 1.90 Inch/lbs.
- **Max torque:** 26.40 Inch/lbs.
- **Scorch Ts1:** 0.25 Minutes.
- **Cure Tc90:** 0.60 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): 2800 PSI (19.3 MPa)
- **100% Modulus** (Per ASTM D-412): 925 PSI (6.4 MPa)
- **Ultimate Elongation** (Per ASTM D-412): 225 %
- **Shore A Hardness** (Per ASTM D-2240): 78 Pts.
- **Specific Gravity** (Per ASTM D-297): 1.87 (H2O=1)
- **Compression Set** (Per ASTM D-395): 16.00 % CONDITIONS: 22 hrs@ 392 °F (200°C)

Compounded to Meet:

- **ASTM D-2000 Call Out:** M5HK814 A1-11, B38, C12, EF31, EO78, F15, 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.

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