



P.O. BOX 939  
Cuyahoga Falls, OH 44223, U.S.A.

## Technical Data Sheet

Contact Us: Phone: 330-923-7070  
Fax: 330-923-4005  
E-mail: [eagle1@eagleelastomer.com](mailto:eagle1@eagleelastomer.com)  
Web: [www.eagleelastomer.com](http://www.eagleelastomer.com)

# COMPOUND#: EE96280A

**Description:** 80 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:** Compression & transfer molding.
- **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, tubing, profiles, sheet
- **Stock** Yes

### Typical Rheological Properties:

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

- **Min torque:** 1.77 **Inch/lbs.**
- **Max torque:** 29.40 **Inch/lbs.**
- **Scorch Ts1:** 0.57 **Minutes.**
- **Cure Tc90:** 0.97 **Minutes.**

### Typical Physical Properties:

▪ Conditions: Press cured 6 minutes @ 370° F (188° C) and Post cured for 16 hours @ 480° F (250 °C).

- **Tensile Strength** (Per ASTM D-412): 2313 **PSI** (15.9 **MPa**)
- **100% Modulus** (Per ASTM D-412): 1375 **PSI** (9.5 **MPa**)
- **Ultimate Elongation** (Per ASTM D-412): 157 **%**
- **Shore A Hardness** (Per ASTM D-2240): 81 **Pts.**
- **Specific Gravity** (Per ASTM D-297): 1.84 (**H2O=1**)
- **Compression Set** (Per ASTM D-395): 9.01 **%** CONDITIONS: 22 hrs@ 392 °F (200°C)

### Compounded to Meet:

- **ASTM D-2000 Call out:** M2 HK 814 A1-10, B38, C12, EF31

This information is based on tests performed by Eagle Elastomer, Inc. and 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.

Viton™ is a trademark of The Chemours Company FC, LLC, used under license by Eagle Elastomer, Inc.

