



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
Web: www.eagleelastomer.com

COMPOUND#: EE97355A

Description: 55 durometer black Viton B fluoroelastomer compound.

Application Temperatures: **High Temp:** 400° F (204° C)
Low Temp: Dynamic: 8.6°F (-13°C) Static: -18.4°F(-28°C)

Compound Information:

- **% Fluorine:** 68%
- **Cure System:** Bisphenol
- **Color:** Black
- **Compounded for:** Transfer & compression molding.
- **Form** Slab, Strip or Calendered Sheet.
- **Storage** Preserves best when stored in a cool/dry environment. Rheometer retesting suggested @ 6 months.

Typical Rheological Properties:

Conditions: MDR .5 ARC 6 minutes @ 370° F (188° C) Per ASTM D-6204.

- **Min torque:** 0.96 **Inch/lbs.**
- **Max torque:** 9.60 **Inch/lbs.**
- **Scorch Ts1:** 1.64 **Minutes.**
- **Cure Tc90:** 3.85 **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): 1800 **PSI** (12.4 **Mpa**)
- **100% Modulus** (Per ASTM D-412): 185 **PSI** (1.3 **Mpa**)
- **Ultimate Elongation** (Per ASTM D-412): 400 **%**
- **Shore A Hardness** (Per ASTM D-2240): 55 **Pts.**
- **Specific Gravity** (Per ASTM D-297): 1.89 (**H2O=1**)
- **Compression Set** (Per ASTM D-395): N/A **%** CONDITIONS: 22 hrs@ 392 °F (200°C)

Compounded to Meet:

- **ASTM D-2000 Call out:** M2 HK 610 A1-10, B38, C12, EF31, EO78, Z1
Z1 = 55 +/-5 Durometer Shore "A"

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.



AS9100 with ISO 9001
Approval Certificate Number: 95.072
MANUFACTURED IN THE U.S.A.