**Technical Data Sheet**

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**Compounded to Meet:**
- ASTM D-2000 Callout:
- M3HK 910 A1-10 B38 C12 EF31 E078

**Description:**
- 90 durometer black Viton A fluoroelastomer metal bonding compound.

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

**Compound Information:**
- **% Fluorine:** 66%
- **Cure System:** Bisphenol
- **Color:** Black
- **Form:** Extrusion, transfer, compression molding or Pre-form.
- **Storage:** Slab, Strip or Calendered Sheet.
- Preserves best when stored in a cool/dry environment. Rheometer retesting suggested @ 6 months.

**Typical Rheological Properties:**
- **Min Torque:** 2.70 Inch/lbs.
- **Max Torque:** 38.20 Inch/lbs.
- **Scorch TS1:** 0.44 Minutes.
- **Cure Tc90:** 0.77 Minutes.

**Typical Physical Properties:**
- **Conditions:** Press cured 10 minutes @ 370º F (188º C) and Post cured for 16 hours @ 480º F (250 ºC).

  - **Tensile Strength (Per ASTM D-412):**
    - Conditions: MDR .5 ARC 4 minutes @ 370º F (188º C) Per ASTM D-6204.
    - 270 Inchibs: 38.20 Inchibs
    - 0.44 Minutes
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**Compression Set:**
- **Conditions:** 22 hrs @ 392 ºF (200ºC)
- **90% Modulus:** 2302 PSI (15.9 Mpa)
- **100% Modulus:** 2090 PSI (14.2 Mpa)
- **Ultimate Elongation:** 184 (H20 = 1)
- **Ultimate Elongation:** 90% (H20 = 1)
- **Shore A Hardness:** 90 Pts.
- **Specific Gravity:** 1.84 (H20 = 1)
- **Compression Set:** 14.10 %

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**Composted to Meet:**
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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.

**Shore A Hardness**
- 90 Pts.

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**Approval Certificate Number:** 99011168

**AS9100 with ISO 9001**

**MANUFACTURED IN THE U.S.A.**

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