GLOBAL O-RING and SEAL
ALL-AROUND BETTER

www.GlobalOring.com • info@GlobalORing.com
14450 John F Kennedy Blvd, Houston, TX 77032
Phone: 832-448-5550 • Fax: 832-448-5551

Material Test Report

Compound #: V90-G101 — Viton, Black, General Purpose

Description: 90 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:** Extrusion, 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:** 2.75 **Inch/lbs.**
- **Max torque:** 41.00 **Inch/lbs.**
- **Scorch Ts1:** 0.45 **Minutes.**
- **Cure Tc90:** 0.85 **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):	2290 **PSI**	(15.8 MPa)
100% Modulus (Per ASTM D-412):	2075 **PSI**	(14.3 MPa)
Ultimate Elongation (Per ASTM D-412):	115 **%**	
Shore A Hardness (Per ASTM D-2240):	90 **Pts.**	
Specific Gravity (Per ASTM D-297):	1.84 **(H2O=1)**	
Compression Set (Per ASTM D-395):	12.20 **%**	CONDITIONS: 22 hrs@ 392 °F (200°C)

Compounded to Meet:

ASTM D-2000 Call Out: M2HK910 A1-10 B38 C12 EF31 EO78

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.A

Issue Date: 1/6/2023