

FKM compounds are widely used in chemical, automotive, aerospace and industrial applications. These compounds offer excellent chemical and temperature resistance. Marco Rubber stocks all USA standard Viton O-Rings sizes, thousands of metric Viton O-Ring and non-standard sizes.

## ABOUT #V1044

V1044 is a 95A durometer FKM compound. There are many additional specialty compounds based on A, B, F, GLT, GFLT, LTFE and ETP polymer types. Please contact [sales@marcorubber.com](mailto:sales@marcorubber.com) for assistance in selecting a specialized compound when increased resistance to temperature, chemicals, or physical properties is required.

## FEATURES

- High Durometer.
- Explosive decompression resistant.
- High temperature resistance.
- Excellent resistance to acids, fuels, mineral oils, greases, aliphatic, aromatic and chlorinated hydrocarbons, non-flammable hydraulic fluids (HFD) and many organic solvents and chemicals.
- Excellent resistance to aging and ozone.
- Low gas permeability, low compression set.

## APPLICATION EXAMPLES

- Vacuum applications
- Acidic applications
- Petroleum applications

## ADDITIONAL INFORMATION

- Service Temperature of -15° to 437°F
- Cure System: Bisphenol
- Spec: ASTM D2000 / SAE J2000 M7HK A1-10 B38

This information is accurate and reliable to the best of our knowledge. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It is the customer's responsibility to evaluate parts prior to use.

## PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	ASTM D2000 Requirements	Typical Test Results
Hardness, Shore A	95 +/- 5	93
Color	Black	Black
Tensile Strength, psi	1,450min.	2100
Ultimate Elongation, %	70 Min.	90
HEAT RESISTANCE – AIR AGING ASTM D573 (70 hrs. @ 250°F)	ASTM D2000 Requirements	Typical Test Results
Hardness Change, Shore A, ASTM D2240	+10 (max.)	-1
Tensile Strength Change, %, ASTM D1414	-25 (max)	+5
Ultimate Elongation Change, %, ASTM D1414	-25 (max)	+4
COMPRESSION SET – ASTM D 395 Method B and ASTM D1414 (22 hrs. @ 200°C)	ASTM D2000 Requirements	Typical Test Results
Permanent Set %	20 (max)	12