

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 #V1166

Our V1166 low temperature Terpolymer FKM compound has been specifically designed for use in challenging low temperature applications. This material is highly versatile and has a wide range of chemical compatibility. V1166 offers the same chemical and mechanical properties as B-type and G-type FKM grades.

FEATURES

- ULT type compound, lowest temperature FKM
- Excellent fuels, ethanol and methanol resistance.
- High temperature resistance.
- Low gas permeability & compression set.
- Improved steam and hot water resistance.

APPLICATION EXAMPLES

- Low temperature applications
- Mechanical seals
- Valves and pumps
- Flow meters and sensors

ADDITIONAL INFORMATION

- Service Temperature of -65° to 437°F
- Spec: ASTM

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 Method	Typical Test Results
Color		Black
Hardness, Shore A	D1415	72
Tensile Strength, MPa (psi)	D412	13.0 (1,875)
Ultimate Elongation, %		180
Compression Set, 22 hrs @392°F @25% deflection, % °F original deflection	D395B	19
Glass Transition (Tg)	D1329	-40o C
Heat Ageing: 72 hrs. @ 482°F	ASTM Method	Typical Test Results
Hardness Change (points)	D1415	-7
Tensile strength change	D412	-0.3
Elongation at break change	D412	0.3