

Common Names:

FKM, Fluoropolymer, Fluorel®, Viton®,

General Description:

FKM material is widely used in chemical, automotive, aerospace and industrial applications. FKM compounds offer excellent chemical and temperature resistance. Marco compound V1208 is specifically formulated to be metal detectable for use in food, pharmaceutical, and other contamination-sensitive industries. Please contact engineering@marcorubber.com for assistance in selecting a specialized compound when increased resistance to temperature, chemicals, or physical properties is required.

Features:

- Metal detectable
- FDA Compliant
- Free from Animal Derivative Ingredients (ADI)
- 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.

Limitations:

- Steam, hot water, amines, polar solvents, low molecular weight organic solvents and glycol-based brake fluids.

Service Temperature:

-4° to 437° F (-20° to +204° C)

TYPICAL PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	ASTM	Value
Hardness, IRHD	D1415	75
Color	-----	Blue
Tensile Strength, MPa (psi)	D412	13.1 (1,901)
Ultimate Elongation, %	D412	280
Compression Set, 22 hrs. @200°C	D395	18%

Viton® is a registered trademark of Dupont. Fluorel® is a registered trademark of Dyneon.

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.