

## Marco Compound # V1108

### FKM 75 Durometer, Brown, FDA Compliant

### Technical Datasheet

**Common Names:**

FKM, Fluoropolymer, Fluorel®, Viton®

**General Description:**

FKM compounds are widely used in chemical, automotive, aerospace and industrial applications. These compounds offer excellent chemical and temperature resistance. Marco's V1108 compound is a brown colored, FDA compliant FKM. There are many additional specialty compounds based on A, B, F, GLT, GFLT, LTFE and ETP polymer types. Please contact [engineering@marcorubber.com](mailto:engineering@marcorubber.com) for assistance in selecting a specialized compound when increased resistance to temperature, chemicals, or physical properties is required.

**Features:**

- FDA compliant
- 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, polar solvents, low molecular weight organic solvents and glycol-based brake fluids.

**Service Temperature:**

-15 to 400° F

(Additional compounds may be available with expanded temperature ranges).

**Specification:**

ASTM D2000 M2HK810 A1-10 B37 EF31 Z1

### PHYSICAL PROPERTY STANDARDS

ORIGINAL PROPERTIES	ASTM D2000 Requirements	Typical Test Results
Hardness, Shore A	75 +/- 5	78
Color	Brown	Brown
Tensile Strength, MPa (psi)	10 (1450) min.	(13.9) 2016
Ultimate Elongation, %	150 Min.	156
Specific Gravity	-----	2.109

HEAT RESISTANCE – A1-10, ASTM D 573 (70 hrs. @ 250°C)	ASTM D2000 Requirements	Typical Test Results
Hardness Change, points	+10 (max)	+5
Tensile Strength Change, %	-25 (max)	+6
Ultimate Elongation Change, %	-25 (max)	+9

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

<b>COMPRESSION SET – B37, ASTM D 395 Method B (22 hrs. @ 175°C)</b>	<b>ASTM D2000 Requirements</b>	<b>Typical Test Results</b>
Permanent Set, %	50 (max)	8

<b>FLUID RESISTANCE – ASTM Fuel C – EF31, ASTM D 471(70 hrs. @ 23°C)</b>	<b>ASTM D2000 Requirements</b>	<b>Typical Test Results</b>
Hardness Change, points	+/- 5	-1
Tensile Strength Change, %	-25 (max)	-19
Ultimate Elongation Change, %	-20 (max)	+14
Volume Change, %	0 to + 10	+3

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Fluorel® is a registered trademark of Dyneon.