

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 #V1038

V1038 is a low temperature, FKM GLT®. An FKM GLT® features significantly improved low temperature resistance, and improved Water, Steam & Mineral Acids resistance

FEATURES

- Low temperature capabilities
- 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

- Low temperature applications
- Steam applications
- Mild petroleum applications

ADDITIONAL INFORMATION

- Service Temperature of -40° to 437°F
- Cure System: Peroxide
- Spec: ASTM D2000 M2HK810 A1-10 B37 B38 EF31 F16

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	75 +/- 5	79
Color	Black	Black
Tensile Strength, MPa	10.0 min	17.5
Ultimate Elongation, %	175 min	230
Specific Gravity	----	1.789
HEAT AGING - 70 hrs. @ 250°C	ASTM D2000 Requirements	Typical Test Results
Hardness Change, Shore A	± 5	-5
Tensile Strength Change, %	-25 max.	-24
Ultimate Elongation Change, %	-20 max.	-20
Volume Change, %	0 to 10 max.	5
COMPRESSION SET -22 Hours @ 175°C	ASTM D2000 Requirements	Typical Test Results
Permanent set, %	50 max	13
COMPRESSION SET -22 Hours @ 200°C	ASTM D2000 Requirements	Typical Test Results
Permanent set, %	15 max	14
FUEL C OIL IMMERSION - 70 Hours @ 23°C	ASTM D2000 Requirements	Typical Test Results
Hardness Change, Shore A	+/- 5	-5
Tensile Strength Change, %	-25 max	-24
Ultimate Elongation Change, %	-20 max	-20
Volume Change, %	0 to + 10	5
LOW TEMPERATURE BRITTLENESS - 3 Minutes @ -35°C	ASTM D2000 Requirements	Typical Test Results
Brittleness Test	NON-BRITTLE	NON-BRITTLE