Request a Quote

(800) 775-6525
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www.marcorubber.com

Marco Compound # V1086
75 Durometer, Black, XLT Type FKM
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 compound V1086 is an XLT Type FKM which offers superior low temperature resistance compared to any other FKM formulation. There are many additional specialty compounds based on A, B, F, GLT, GFLT, LTFE and ETP polymer types. Please contact sales@marcorubber.com for assistance in selecting a specialized compound when increased resistance to temperature, chemicals, or physical properties is required.

Features:
- XLT type compound, lowest temperature FKM
- Excellent fuels, ethanol and methanol resistance
- 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.

Cure System:
- Peroxide

Service Temperature:
-54 to 437°F (-48 to 225°C)

PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	Typical Values
Hardness, Shore A, points, ASTM D2240	78
Color	Black
Tensile Strength, psi, ASTM D1414	1,500
Ultimate Elongation, %, ASTM D1414	130
Specific Gravity, ASTM D297	1.88
TR-10 °C	-40

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COMPRESSION SET – ASTM D395 Method B (22 hours @ 392° F)	**Typical Values**
% Permanent set	17

COMPRESSION SET- ARM 300 – ASTM D395 Method B (70 hours @ 392° F)	**Typical Values**
% Permanent set	16

FLUID IMMERSION – FUEL B – ASTM D 471 (70 hrs. @ 75°F)	**Typical Values**
Hardness Change, Shore A, ASTM D471	-3
Tensile Strength Change, %, ASTM D412	-30
Ultimate Elongation Change, %, ASTM D412	+12
Volume Change, %, ASTM D412	+5

AMS 3021 Fluid Immersion – ASTM D 471 (70 hrs. @ 392°F)	**Typical Values**
Hardness Change, Shore A, ASTM D471	-3
Tensile Strength Change, %, ASTM D412	-16
Ultimate Elongation Change, %, ASTM D412	-9
Volume Change, %, ASTM D412	+6

Date: 2016-10-3