

Marco Compound # V1164

Peroxide Cured Black Fluoroelastomer (FKM)

Technical Datasheet

General Description:

V1164 is a peroxide cured, FDA, 3A Sanitary and USP Class VI compliant fluoroelastomer (FKM) developed to withstand steam-in-place (SIP) and clean-in-place (CIP) procedures within pipe work and vessels.

Features:

- Excellent hot water and steam resistant up to 200°C
- Excellent resistance to Alkalis, acids, oils, greases, ozone and fuels
- 3A Sanitary compliant
- USP Class VI compliant
- FDA Compliant- extraction tested to CFR 21 177.2600 (e,f)
- Suitable for steam-in-place (SIP) and clean-in-place (CIP)
- Free from Animal Derived Ingredients



Applications:

- O-rings, Gaskets and Custom molded parts
- Hygienic sealing in pharmaceutical, bio-analytical and food processing equipment

Typical Physical Properties

Properties	ASTM	Results
Color		Black
Material Type	FKM	
Hardness	D1415	71
Tensile Strength, MPa (psi)	D412	18.0 (2,600)
Elongation at Break	D412	190
Modulus (100%) MPa		7.4
Compression Set 72 hrs. @205° C (400° F)	D395	20%
Minimum Operating Temperature		-26° C (-15° F)
Maximum Operating Temperature		+205° C (+400° F)

- *This material has been evaluated according to the requirement of the Regulation EC 1935/2004, Annex I. Materials intended to come into contact directly or indirectly with food.*
- *Marco Rubber guarantees that all products of this material are produced according the directive for GMP (Good Manufacturing Practice) 2023/2006/EC, which is part of the guideline EC1935/2004.*