

Marco Compound # V1161

Peroxide Cured White Fluoroelastomer

Technical Datasheet

General Description:

V1161 is a peroxide cured, FDA 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:

- Steam resistant up to 200°C
- Suitable for steam-in-place (SIP) and clean-in-place (CIP)
- Excellent resistance to acids, fuels, mineral oils, greases, aliphatic, aromatic and chlorinated hydrocarbons, non-flammable hydraulic fluids (HFD) and many organic solvents and chemicals.

Applications:

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

Cure System

Peroxide

Material Type

Terpolymer FKM

Service Temperature:

-15 to 400° F

PHYSICAL PROPERTIES

| ORIGINAL PROPERTIES | ASTM | Typical Test Results |
|---|-------|----------------------|
| Hardness, Shore A | D1415 | 70 |
| Color | | White |
| Tensile Strength, MPa (psi) | D412 | 15.8 (2,275) |
| Ultimate Elongation, % | | 100 |
| Compression Set, 22 hrs @392° F @25% deflection, % of original deflection | D395B | 12 |
| Modulus at 100% elongation, MPa (psi) | | 6.0 (865) |

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