

CoreRes[®] F-972

Fluoroelastomer Parts



CoreRes[®] F-972 has excellent compression set property and is well-suited for both static and dynamic sealing application. It shows better chemical and heat resistance compared to Viton.

Features & Benefits

- Low out-gassing
- Minimal contamination
- Good physical properties
- Cost competitive

Applications

- Door Seals Lid seals
- Slit valves Gas inlet seals
- Windows seals KF fitting seals
- Isolator valves

Recommend Process Application

- Metallization (PVD, Sputtering,)
- Deposition
(CVD, PECVD, HDPCVD, Evaporation)
- Dry etch plasma
- Dry ashing

Typical Physical Properties

Color	Black/White
Tensile Strength (Mpa)	12.7
Elongation at Break (%)	175
100% Modulus (Mpa)	7.7
Shore A Hardness	78
Compression Set on O-Ring #214 70hrs @ 200°C	16
Service Temperature	220°C
