

CoreRes[®] i475

Perfluoroelastomer Parts



CoreRes[®] I-475 is translucent beige compound and the material is specifically designed for high- purity process. It provides excellent mechanical strength properties and outstanding elastic recovery. The material withstands manufacturing process where a variety of corrosive chemicals are used.

A maximum continuous service temperature of 220°C is suggested.

Features & Benefits

- Good plasma resistance
- Good physical properties
- Minimal contamination
- Cost competitiveness

Applications

- Door Seals Lid seals
- Orifice seals Gas inlet seals
- Windows seals
- Isolator valves

Recommend Process Applications

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

Typical Physical Properties

Color	Translucent
Tensile Strength (Mpa)	16.9
Elongation at Break (%)	330
100% Modulus (Mpa)	4.3
Shore A Hardness	75
Compression Set on O-Ring #214 70hrs @ 200°C	34
Service Temperature	220°C
