

CoreRes[®] 5080UP

Perfluoroelastomer Parts



CoreRes[®] 5080UP has excellent resistance in process which is harsh plasma and a variety of chemical environments. Especially it exhibits outstanding performance in O₂, NF₃ plasma process. 5080UP is semitransparent violet color with no metal fillers. It offers long life time with low contamination, excellent compression set properties and is widely used in Semiconductor, FPD manufacturing application.

A maximum continuous service temperature of 280°C is suggested.

Features & Benefits

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

Applications

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

Recommend Process Applications

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

Typical Physical Properties

Color	Translucent-Violet
Tensile Strength (Mpa)	13.7
Elongation at Break (%)	220
100% Modulus (Mpa)	13.9
Shore A Hardness	77
Compression Set on O-Ring #214 70hrs @ 200°C	20
Service Temperature	280°C
