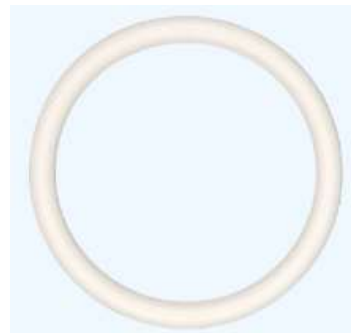


1160W



Perfluoroelastomer (FFKM)

UniPol 1160W is white perfluoroelastomer(FFKM) that targeted specially for harsh plasma environment with cleaning gases and high temperature process also wet chemical process with reactive or corrosive chemicals. It exhibits outstanding thermal stability, excellent performance in Wet, HDPCVD, PECVD, Etching, Ashing, etc. UniPol **1160W** has excellent resistance with corrosive gases like Ozone and fluorine and elastic recovery and is well-suited for both static and dynamic sealing applications. (Chamber lid, Gas line, Bonded slit valve, Shower head seal, etc.) A maximum continuous service temperature of 290°C is suggested.



Superior performance, cost effectiveness

- Offer total solutions of sealings
- Lower contamination
- Longer life span
- Safe & Easier installation

Features & Benefits

- ❖ Excellent plasma resistance
- ❖ Good compression set
- ❖ Excellent chemical resistance

Applications

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

Recommend Process Application

- ❖ Dry etch plasma
- ❖ Wet chemical applications
- ❖ Metallization (PVD, CVD, sputtering, evaporation)
- ❖ Deposition (CVD, PECVD, HDPCVD)
- ❖ Remote plasma cleans
- ❖ Dry ashing

Typical Physical Properties

Color	White
Tensile Strength (Mpa)	19.8
Elongation at Break (%)	155
100% Modulus (Mpa)	14.1
Shore A Hardness	82
Compression Set @ 70hr at 204°C (%)	18
Max Temperature (°C)	290



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