

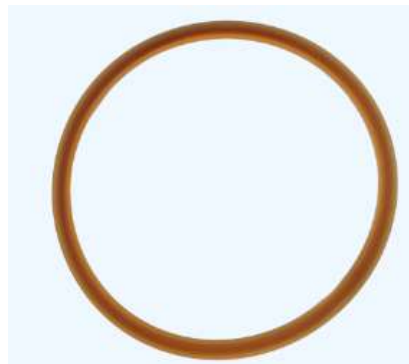
DIR-140



Perfluoroelastomer (FFKM)

UniPol DIR-140 is pure material of perfluoroelastomer (FFKM) and targeted specially for low particle generation. It exhibits outstanding thermal stability, excellent performance in HDPCVD, PECVD, SACVD, etc.

DIR-140 has excellent elastic recovery and is well-suited for both static and dynamic sealing applications. (Chamber lid, gas line, bonded slit valve, shower head etc.) A maximum continuous service temperature of 300°C is suggested.



Superior performance, cost effectiveness

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

Features & Benefits

- ❖ Lowest particle generation
- ❖ Good physical properties
- ❖ Minimal contamination
- ❖ High temperature resistance

Applications

- ❖ Door Seals
- ❖ RPS Seals
- ❖ End-effector pads
- ❖ Chamber Lid Seals
- ❖ Slit Valves
- ❖ Isolator Valves

Recommend Process Application

- ❖ CVD
- ❖ Wet Chemical process
- ❖ Dry Etching
- ❖ Metallization (PVD, Sputtering)

Typical Physical Properties

Color	Transparent
Tensile Strength (Mpa)	19.8
Elongation at Break (%)	214
100% Modulus (Mpa)	8.1
Shore A Hardness, (+- 3)	70
Compression Set @ 70hr at 204°C (%)	15
Max Temperature (°C)	300



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