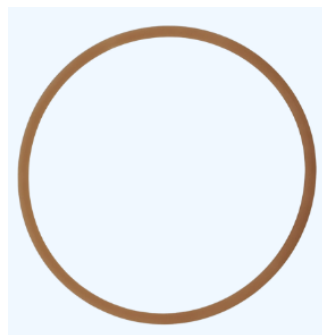


UPC-01



Perfluoroelastomer (FFKM)

UniPol UPC-01 is developed for high-purity and excellent performance perfluoroelastomer (FFKM) focusing on harsh semiconductor applications such as CVD & Etch. **UPC-01** offers excellent plasma 300°C.



Superior performance, cost effectiveness

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

Typical Physical Properties

Color	Semi-translucent
Tensile Strength (Mpa) *ASTM D412(dumbbell specimens)	14.84
Elongation at Break (%) *ASTM D412(dumbbell specimens)	305
100% Modulus (Mpa)	7.1
Shore A Hardness *ASTM D2240 (button sample)	75
Compression Set @ 70hr at 204°C (%)	14
@ 70hr at 300°C (%) *ASTM D1414 METHOD B (AS568A-214)	46
Max Temperature (°C)	300

Applications (Conductive)

- ❖ Door Seals
- ❖ Chamber seals
- ❖ Slit valves
- ❖ Gas inlet seals
- ❖ RPS seals
- ❖ Heater & Pedestal

Recommend Process Application

- ❖ Deposition (CVD, PECVD, HDPCVD)
- ❖ Dry etch plasma
- ❖ Dry ashing
- ❖ Diffusion
- ❖ RTP
- ❖ ALD

NOTE : Minor black marks or variations in color may be observed on UPT FFKM part. These marks are inherent to the curing process and are not indicative of contamination or the presence of foreign material. They are considered normal characteristics of the product and are not expected to adversely affect the performance of the part in service.



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