

Dynarez™

Perfluoroelastomer O-Rings

TM - A

is an **unfilled**, engineered with minimal to no fillers or cross-linking agents, this product series ensures optimal purity and exceptional cleanliness across the vast majority of plasma environments, significantly enhancing process yields. It is ideally suited for applications including Dry Etch, HDPCVD, PECVD, PVD, and Metal CVD, with a recommended maximum continuous operating temperature of up to 325°C.

Physical Properties

- ♦ Excellent plasma resistance
- ♦ Ultra-low weight change rate
- ♦ High purity with low particle generation

Recommended Application Points

- ♦ Gas Inlet / Orifice Seals
- ♦ Chamber Lid Seals
- ♦ Isolation Valve Seals
- ♦ Bonded Gate Valve / Slit Valve Door Seals

In contrast, our new **unfilled** or polymer-filled formulations consist only of carbon, fluorine, and oxygen. Although the erosion rate may be slightly faster, the material is completely converted **into volatile** by-products and exhausted from the system. This makes it the ideal choice for processes requiring the ultimate level of cleanliness.



Typical Physical Properties		TM-A
Color		Amber
Max. Service Temperature		325°C
Physical Testing	Hardness (JIS-A)	70
	Tensile Strength (MPa)	15
	Elongation (%)	150
	100% Modulus (MPa)	6.0
Compression Set	Test Conditions	300°C × 70hr
	Compression Set (%)	30