

CoreRes[®] EL-270FL

Perfluoroelastomer Parts



CoreRes[®] EL-270FL is the newest material of perfluoroelastomer (FFKM) and targeted specially for lower particle generation. It exhibits outstanding thermal stability, excellent performance in HDPCVD, PECVD, SACVD, Etching, Ashing, etc. EL-270F 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 320°C is suggested.

Features & Benefits

- Excellent plasma resistance
- Good physical properties
- Minimal contamination
- High temperate resistance

Applications

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

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	Brown
Tensile Strength (Mpa)	18.5
Elongation at Break (%)	190
100% Modulus (Mpa)	4.4
Shore A Hardness	75
Compression Set on O-Ring #214 70hrs @ 200°C	19
Service Temperature	320°C