

# CoreRes<sup>®</sup> EL-270

Perfluoroelastomer Parts



**CoreRes<sup>®</sup> EL-270** is an upgraded version of perfluoroelastomer (5080) and targeted specially for lower particle generation. It exhibits outstanding thermal stability, excellent performance in HDPCVD, PECVD, SACVD, Etching, Ashing, etc. EL270 has excellent 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 320°C is suggested.

## Features & Benefits

- Excellent plasma resistance
- Good physical properties
- Minimal contamination
- High temperature 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	Light-Brown
Tensile Strength (Mpa)	15.2
Elongation at Break (%)	240
100% Modulus (Mpa)	4.2
Shore A Hardness	70
Compression Set on O-Ring #214 70hrs @ 200°C	<b>18</b>
Service Temperature	320°C