

CoreRes[®] SL-201

Perfluoroelastomer Parts



CoreRes[®] SL-201 is perfluoroelastomer with nano-filler composition, it offers low particle generation. It has specially developed for Dry etching, PVD, CVD, Diffusion, etc process with excellent plasma resistance for cleaning gas (NF₃, O₂, etc) and reactive gas.

CoreRes[®] SL-201 maintains the stable mechanical properties in high temperature and plasma, and also well suited for both static and dynamic sealing application.

A maximum service temperature of 280 °C is suggested.

Features & Benefits

- Excellent plasma resistance
- Minimal contamination
- Outstanding thermal resistance
- Good physical properties

Applications

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

Recommend Process Application

- Dry etch plasma
- Metallization(PVD,CVD,sputtering,evaporation)
- Deposition (CVD,PECVD,HDPCVD)
- Remote plasma cleans
- Dry ashing

Typical Physical Properties

Color	Black
Tensile Strength (Mpa)	17.8
Elongation at Break (%)	160
100% Modulus (Mpa)	8.6
Shore A Hardness	82
Compression Set on O-Ring #214 70hrs @ 204°C	22
Max Temperature (°C)	280
