EKK Eagle Semicon Components, Inc

Material Profile: Superior 486

Superior 486 was specifically developed to be a cost-effective, high-performance compound for semiconductor applications. Superior 486 offers excellent plasma resistance and low particulation in a wide range of plasma environments.

Features and Benefits

- Excellent plasma resistance
- Minimum particulation
- Wide chemical resistance
- High physical properties
- Cost-effective

Recommended Processes

- Deposition: CVD, APCVD, HDPCVD, PECVD, RPCVD, SACVD
- Plasma etch: oxide and metal
- Ashing
- Metalization: PVD, evaporation, sputtering
- Ion Implant

White Perfluoroelastomer
Service Temperature Range: - 7 to 230°C

Equipment Locations

- Chamber Lid Seals
- Bell Jar Seals
- Endpoint Windows
- Gas Inlet Seals
- Isolator Valve Seals
- KF Fittings
- Slit Valve Seals
- Valve Seals
- Window Seals

Typical Physical Properties

Color	White
Shore A Durometer	75
Tensile Strength, psi (MPa)	2620 (18.0)
Elongation	190%
Modulus at 100% Elongation, psi (MPa)	1230 (8.5)
Compression Set: 70 hrs. at 200°C	25%
Service Temperature Range, °C (°F)	-7 to 230 (20 to 446)

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