

Material Profile: Superior® 486 FFKM

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
- Minimal Particulation
- Wide chemical compatibility
- High Physical Properties
- Cost Effective

Recommended Applications

- Deposition: CVD, APCVD, HDPCVD, PECVS, RPCVD, SACVD
- Plasma Etch: Oxide and Metal
- Ashing
- Ion Implant
- Metallization: PVD, Sputtering and Evaporation

Equipment Locations

- Chamber Lid Seals
- Bell Jar Seal
- Endpoint Windows
- Gas Inlet Seal, Isolator Valve Seal
- KF Fitting
- Slit Valve and Window Seals



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

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)

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

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