

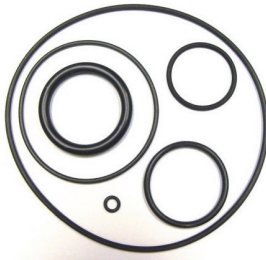
High Performance Seal Division

610-603-7525



619 FRANKLIN STREET, WEST READING, PA

T: 610-603-7525 F: 610-603-7559 E: INFO@PTIPRO.COM



Kyflon™ 5300

Perfluoroelastomer Semiconductor Grade O-Rings and Seals

KYFLON 5300 is a high performance semiconductor grade perfluoroelastomer compound that has been formulated to perform in aggressive oxygen and fluorine based plasma applications while generating minimum particles. Kyflon 5300 is well suited for use in CVD, APCVD, HPCVD, RPRCVD, SACVD, Plasma Etch: oxide and metal, Ashing, Ion implant, RTP, Lamp Anneal and Diffusion.

Applications include: Bell Jar Seals, Chamber Lid Seals, Door Seals, End Point Windows, Gas Inlet Seals, Isolator Valve Seals, KF-Fittings and Window Seals

- Low Out Gassing
- Low Particulation
- Outstanding oxygen and fluorine compatibility

TYPICAL PROPERTIES

Physical Properties	ASTM Method	Typical Value
Color		Off White
Hardness, Shore A. Points	D2240	80
100% Modulus psi	D412	2111
Elongation @ Break %	D1414	161
Tensile Strength @ Break, psi	D1414	3147
Maximum Continuous Service, °F		536°F
Maximum Continuous Service, °C		280°C
Compression Set @ 25% Deflection 275 Hours @ 392° F/200°C, in Air, % of original deflection	D395-03 Method B	29

Unless otherwise noted all tests conducted on AS 56A (-214) O-Rings