

High Performance Seal Division

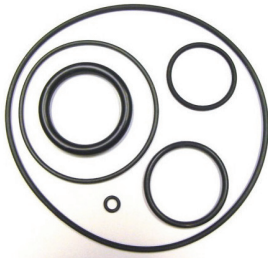
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Kyflon™ 5000 Perfluoroelastomer Semiconductor Grade O-Rings and Seals



KYFLON 5000 is a high performance semiconductor grade perfluoroelastomer compound that has been formulated to perform in severe thermal and chemical environments. Kyflon 5000 works well in both the wet and dry processes prevalent in semiconductor manufacturing. Kyflon 5000 parts are well suited for applications where they are exposed to reactive plasma.

- Very Good Plasma Resistance
- Performs at 299°C continuous Service
- Withstands severe chemical and thermal environments

TYPICAL PROPERTIES

Physical Properties	ASTM Method	Typical Value
Color		Black
Hardness, Shore A. Points	D2240	80
100% Modulus	D412	1350
Elongation @ Break %	D1414	185
Tensile Strength @ Break, psi	D1414	2900
Specific Gravity	D297	2.00
Maximum Continuous Service °F		570°F
Maximum Continuous Service °C		299°C
Compression Set @ 25% Deflection 275 Hours @ 392°F/200°C, in Air, % of original deflection	D395-03 Method B	25

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