

Kyflon™ 5000

Perfluoroelastomer Semiconductor Grade O-Rings and Seals



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

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.

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
Service Temperature Range °F		570°F
Service Temperature Range °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 568 (-214) o-rings

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Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty for this product.

Prior to actual use it is highly recommended that suitable tests be run to determine this product's suitability in a specific application. This is critical where failure could result in injury or damage.