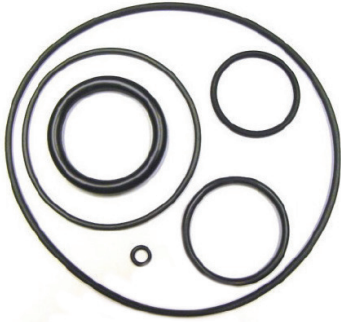




Kyflon™ 5500

Perfluoroelastomer Semiconductor Grade O-Rings and Seals



- **Low Out Gassing**
- **Low Particulation**
- **No Metal Ions**

KYFLON 5500 is an extremely pure semiconductor grade perfluoroelastomer compound that contains no metal ions. It has been formulated to meet the stringent needs of the semiconductor and bio-analytical industries. Kyflon 5500 is suitable for both wet and dry semiconductor processing including, fluorine and oxygen based Plasma, CVD, PVD, Lithography, Etch, Stripping and Cleaning. It is ideal for ultra pure water applications.

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

Typical Properties

Physical Properties	ASTM Method	Typical Value
Color		Translucent
Hardness, Shore A. Points	D2240	70
100% Modulus psi	D1429	-595
Elongation @ Break %	D1414	238
Tensile Strength @ Break, psi	D1414	2509
Maximum Continuous Service °F		446°F
Maximum Continuous Service °C		230°C
Specific Gravity		2.04
Compression Set @ 25% Deflection 275 Hours @ 392°F/200°C, in Air, % of original deflection	D395-03 Method B	32

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.