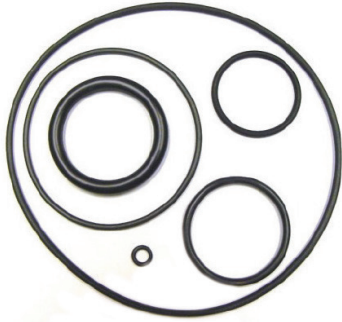




Kyflon™ 5300

Perfluoroelastomer Semiconductor Grade O-Rings and Seals



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

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

Typical Properties

Physical Properties	ASTM Method	Typical Value
Color		Off white
Hardness, Shore A. Points	D2240	80
100% Modulus	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

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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.