

High Performance Seal Division

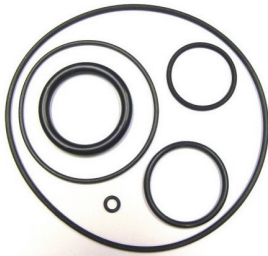
610-603-7525



619 FRANKLIN STREET, WEST READING, PA

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

Kyflon™ 3000 Perfluoroelastomer O-Rings, Gaskets and Seals



Kyflon 3000 is a general purpose carbon filled perfluoroelastomer compound that has outstanding high temperature capabilities (continuous up to 590° F). It has low compression set characteristics along with the broad chemical resistance found with perfluoroelastomer based compounds. Kyflon 3000 is suited for most applications in all industries. It is not recommended for use with water/steam and aliphatic amines at higher temperatures. A physical property comparison to Kalrez® 4079 and other FFKM can be found in the chart below.

TYPICAL PERFLUOROELASTOMER

		Kyflon 3000	Kalrez® 4079	Other FFKM
Physical Properties	ASTM Method	Typical Value	Typical Value	Typical Value
Color		Black	Black	Black
Hardness, Shore A. Points	D2240	75	83	75
Temperature Retraction TR-10 °C	D1429	-5°C	-2°C	
Elongation @ Break %	D1414	175	150	140
Tensile Strength @ Break, psi	D1414	2690	2450	1750
Maximum Continuous Service °F		590	600	446
Maximum Continuous Service °C		310	316	230
Specific Gravity (g/cm³)	D297	1.99	1.95	1.93
Compression Set @ 25% Deflection 70 Hours @ 400°F/204°C, in Air, % of original deflection		10	37	25
Compression Set @ 25% Deflection 70 Hours @ 527°F/275°C, in Air, % of original deflection		25	45	N/A
Compression Set @ 18% Deflection 70 Hours @ 615°F/324°C, in Air, % of original deflection		42	N/A	N/A

Unless otherwise noted all tests conducted on AS 568 (-214) O-Rings