

High Performance Seal Division

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Kyflon™ 3004 PC Perfluoroelastomer



KYFLON 3004 PC is a general purpose carbon filled perfluoroelastomer compound that has outstanding high temperature capabilities (continuous up to 500° F). It has low compression set characteristics along with the broad chemical resistance found with perfluoroelastomer based compounds. Kyflon 3004 PC is suited for most applications in all industries. It is not recommended for use with water/steam and aliphatic amines at higher temperatures.

TYPICAL PROPERTIES

Physical Properties	ASTM Method	Typical Value
Color		Black
Hardness, Shore A. Points	D2240	80
100% Modulus	D412	857
Elongation @ Break %	D1414	170
Tensile Strength @ Break, psi	D1414	1962
Service Temperature Range, °F		-4°F to 500°F
Service Temperature Range, °C		-20°C to 260°C
Compression Set @ 20% Deflection 70 Hours @ 400°F/204°C, in Air, % of original deflection		33
Compression Set @ 20% Deflection 20 Hours @ 527°F/275°C, in Air, % of original deflection		47

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