

Kyflon™ 3050

Perfluoroelastomer



Kyflon 3050 provides a highly desirable combination of very broad chemical resistance and excellent physical properties at continuous high temperatures up to 275°C. Kyflon 3050 exhibits low contamination from extractables. It is an ideal sealing material for applications in the pharmaceutical and food processing industries as it provides long-term reliable sealing in the most extreme environments. Kyflon 3050 is also FDA and USP Class VI compliant. Typical applications include mechanical seals, valves, pumps, reactors and mixers.

Kyflon 3050 is available in all AS-568 O Ring sizes, gaskets and custom shapes.

Typical Properties

Physical Properties	ASTM Method	Typical Value
Color		Black
Hardness, Shore A. Points	D2240	75
Temperature Retraction TR-10 °C	D1429	0
Elongation @ Break %	D1414	195
Tensile Strength @ Break, psi	D1414	2690
Service Temperature Range, °F		20° to 527°F
Service Temperature Range, °C		-7°C to 275°C
Specific Gravity		2.02 g/cm ³
100 Modulus, psi		818
Compression Set @ 18% Deflection 70 Hours @ 400° F/204°C, in Air, % of original deflection		17

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.