

A comparison of Chemraz® 505 and Kyflon™ 3060



Chemraz 505 perfluoroelastomer o-rings were introduced in the 1990's. They were Greene, Tweed & Co's first perfluoroelastomer product offering. Chemraz 505 o-rings are effective sealing elements in aggressive chemical environments. Chemraz 505 is "A" rated in numerous chemicals and has a maximum continuous service temperature rating of 446°F/230°C.

Kyflon 3060 has been on the market for more than eight years and its chemical structure is based on the advancements that have been made in perfluoroelastomer polymer technology. Kyflon 3060 is "A" rated in more than 1800 chemicals and has a maximum continuous service temperature rating of 482°F/250°C.

Chemraz 505 exhibits 25% compression set (@ 25% Deflection 70 Hours @ 400°F/204°C in air), Kyflon 3060 also has 25% compression set in these same conditions. The amount of compression set (typically seen as "flat" spots) o-ring experiences plays an important role in how well it seals in most applications.

Kyflon 3060 o-rings also have a significant cost advantage over Chemraz 505 o-rings and typically are 25% to 30% less expensive to purchase.

Kyflon o-rings are used in mechanical seals, couplings, pumps, and valves. They reduce downtime and extend the mean time between replacements.

Kyflon™ is a trademark of Process Technologies, Inc.

Chemraz™ is a trademark of Greene, Tweed & Co. Inc.

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.

The High Performance Seal Division of PTI, Inc. offers over 20 different Kyflon perfluoroelastomer compounds in the form of molded and vulcanized o-rings, cord, tubing and custom parts. Kyflon compounds are used in a wide range of industries to seal against solvents, amines, chemicals, high temperatures and steam.

Contact us today to speak with us about the optimum Kyflon products for your applications.

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