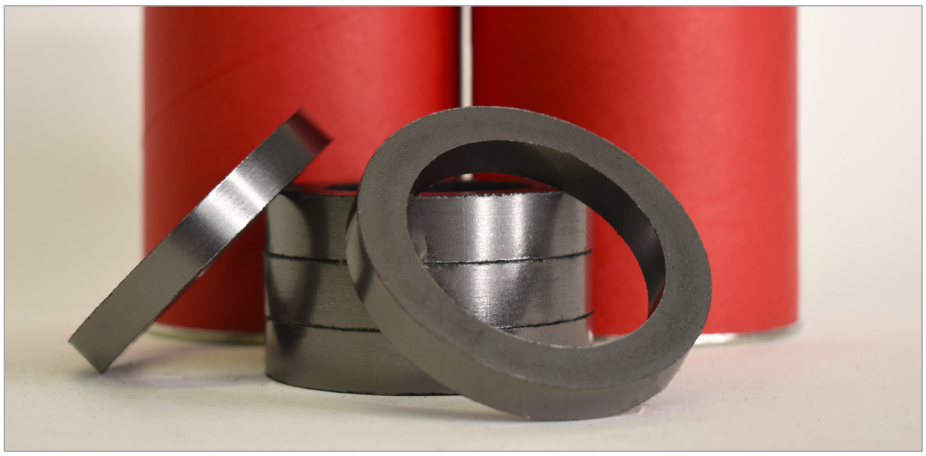
Composite Mechanical Packing

AP STYLE 6000



AP Style 6000

AP Services, a product and service brand of Curtiss-Wright, manufactures pump and valve packing products that have among the lowest leak rates and friction in the industry. In the 1980s, AP Services and two other companies worked together to improve performance and reduce packing friction in combination graphite packing systems. What they came up with is a graphite packing material called composites. Style 6000 composite end rings offer the ultimate packing performance and reliability. Style 6000 is manufactured from a proprietary process that bonds the graphite mixture together to form packing rings.

Combination composite/graphite packing systems have shown a reduction in friction by as much as 75% when compared to packing systems that use graphitic yarn anti-extrusion rings. The flexible graphite seal rings also perform better since the density of the composite rings is higher than the flexible graphite which causes the gland loads to be transferred to the flexible graphite much more effectively, thus allowing for improved radial expansion and sealing.

Composite rings are designed to be used with Style 6300 flexible graphite seal rings. Style 6000 acts as an “anti-extrusion”/containment ring to prevent migration of the flexible graphite. Style 6000 is available as individual rings or in combination Style 6000/6300 sets. Composites are manufactured to strict tolerances and can be made to any specific size. This high-purity ring can be certified to meet nuclear specifications.

Style 6000 is manufactured in strict accordance with our QC program to meet the most demanding specifications of the nuclear industry. Complete traceability along with chemical analysis is available for each lot. This product meets or exceeds GE spec. D50YP12 and NEDC31735P.

Typical Properties

Maximum Temperature
1,000 °F
pH Range
2 - 12
Construction
Proprietary Graphite Mixture

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