HIGH TEMPERATURE

DURLON® HT1000®

Durlon® HT1000® consists of phlogopite mica paper impregnated with an inorganic binder at less than half the binder amount found in a typical vermiculite-phyllosilicate filled product. This lower binder content allows for superior weight retention, less than 4% weight loss at 1,472°F (800°C), and results in ultimate extreme temperature sealing performance up to 1,800°F (1,000°C). It is flexible, elastic, has a high tensile strength, and ensures efficient sealing and performance characteristics in extreme temperature applications commonly found in the refinery, power generation , and chemical industries.

Sheets and Cut Gaskets HT1000® are available in 3 styles:

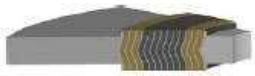
HT1000®-S90
Phlogopite mica paper impregnated with an inorganic binder and no carrier.

HT1000®-L316
Phlogopite mica paper impregnated with an inorganic binder laminated with a 0.002" thick stainless steel carrier.

HT1000®-T316
Phlogopite mica paper impregnated with an inorganic binder laminated with a 0.004" thick stainless steel perforated carrier.

EXTREME TEMERATURE GASKETS (ETG)

Durlon® Extreme Temperature Gaskets (ETG) have been engineered to provide the preeminent solution to sealing gasketed joints having exposure to high temperatures, typically greater than 1,200°F (650°C) and up to 1,800°F (1,000°C). Durlon® ETG has combined an oxidation boundary material with the excellent stability and sealing characteristics of flexible graphite in order to preserve seal integrity and to retain the initial assembly torque. The Durlon® ETG's engineered design principle is focused around providing oxidation protection zones around the central oxidation inhibited flexible graphite sealing component.



DRI-ETG Spiral Wound
As both mica and graphite offer outstanding natural chemical resistance, the Durlon® DRI-ETG is also ca-pable of withstanding many aggressive chemicals and environments subject to elevated temperatures. The DRI-ETG can be manufactured in virtually any metal alloy combination required by the application.

Durtec® ETG
On both faces of the unique core design lays a cen-tral oxidation inhibited flexible graphite ring surrounded on its ID and OD with a ring of HT1000® which acts as the oxidation barrier. The entire combination of materials and core design provides un-surpassed bolt torque retention, fire safety, sealability and extreme temperature resistance to 1,800°F (1,000°C).

K40-ETG Kammprofile
Durlon® K40 Kammprofile Gaskets naturally provide a tight seal with enhanced load bearing and distribu-tion abilities but with the addition of the ETG engi-neered design concept similar to that used on the Durtec®-ETG, Durlon® K40-ETG gaskets can now offer those abilities at extreme temperatures up to 1,800°F (1,000°C).