

DURLON® FIRE SAFE PRODUCTS



With global reputation for fire testing, our Durlon fire safe products are certified to various API standards by Yarmouth Research and Technology - an independent laboratory for the manufacturers and end-users of chemical process equipment, such as valves, packing, gaskets, seals and other flow control products. All testing is certified by a Professional Engineer. Third party test data from Yarmouth Research provides your customer the reliable information they need.

Fire Safe Tested Durlon® Products



Durlon® 8300 is a premium grade compressed sheet gasket material that is excellent in steam and hydrocarbon services for the refining, petrochemical and power generation industries and designed to handle the extremes of pressure and temperature. Other applications include oil, water, mild alkalis, mild acids and solvents.

Fire Test Certification: (6" Class 300) API 6FB. The gasket tested is in compliance with the tightness criteria of 1ml/(inch • min) of API 6FB during burn period and cool-down.



Durlon® 8500 is a high performance compressed gasket material for use in process industries including pulp & paper, food & beverage, pharmaceutical, hydrocarbon, chemical, refinery and general industry. Durlon® 8500 is suitable for oils, water, steam, new generation refrigerants, dilute acids and alkalis and many other liquids and gases.

Fire Test Certification: (6" Class 300) API 6FB. The gasket tested is in compliance with the tightness criteria of 1ml/(inch • min) of API 6FB during burn period and cool-down.



Durlon® 8900 is a premium grade material for service conditions to 496°C (925°F) and continuous operating temperatures of -73°C to 400°C (-100°F to 752°F). Suitable for saturated and superheated steam, oil, dilute acids and alkalis, hydrocarbons, and solvents.

Fire Test Certification: (6" Class 300) ANSI/API Standard 607, Sixth Edition. The measured leakage was 0 ml/min with the max allowable external leak rate of 150 ml/min.



Durlon® 9000 is for use in process piping and equipment in chemical, pulp & paper, food & beverage and other general industrial applications where resistance to highly aggressive chemicals is required. In addition, the shape of the fillers do not allow wicking which can cause corrosion on flange surfaces and conforms to FDA requirements.

Fire Test Certification: (6" Class 300) API Standard 6FA, Third Edition. The test fixture was subjected to an external flame of 875°C (1607°F) average for 30 minutes. The measured leakage was 1.8 ml/min, where the max allowable limit is 1200ml/sec.

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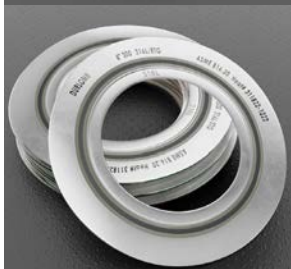
Durlon® HT1000® consists of phlogopite mica paper impregnated with an inorganic binder at less than half the binder amount found in vermiculite-phyllsilicate filled products. This lower binder content allows for superior weight retention, less than 4% weight loss at 800°C (1,472°F), and results in ultimate extreme temperature sealing performance up to 1,000°C (1,800°F).

Fire Test Certification: API 607, 4th edition with Exxon modifications. The measured leakage was 7.3 ml/min with the max allowable external leak rate of 300 ml/min.



Durlon® Durtec® gaskets are made with a specially engineered corrugated metal core that is bonded on both sides with soft covering layers, typically flexible graphite. The core is produced by patented technology that allows the finished gasket to have the best possible mechanical support function. Corrugations in the core are virtually un-crushable unlike conventional corrugated metal core gaskets.

Fire Test Certification: (6" Class 300) Passed modified API 607 fire test and meets the requirements of Shell Specification MESC SPE 85/203 & PVRC SCR Flexible Graphite Spec for FG 600 material.



Durlon® Spiral Wound (DRI ETG SWG) Gaskets are made with an alternating combination of a preformed engineered metal strip and a more compressible filler material which creates an excellent seal when compressed. The engineered shape of the metal strip acts as a spring under load, resulting in a very resilient seal under varying conditions.

Fire Test Certification: API 6FB, Fourth Edition 2019, Type 2 (Offshore Test)

Fire Test Certification: API 6FB, Fourth Edition 2019, Type 1 (Onshore Test)

Fire Test Certification: (6" Class 300) API 607, 4th edition with Exxon modifications Fire Test.



Durlon® Spiral Wound (DRI FG SWG) Gaskets are made with an alternating combination of a preformed engineered metal strip and a more compressible filler material which creates an excellent seal when compressed. The engineered shape of the metal strip acts as a spring under load, resulting in a very resilient seal under varying conditions.

Fire Test Certification: (6" Class 300) FG SWG has passed the API Standard 6FB, Fourth Edition, 2019 Fire Test.



Durlon® CFG is a corrugated, flexible graphite gasket material designed for severe service conditions. The proprietary design of the corrugations gives CFG superior sealing and recovery characteristics for tough conditions in the refining, chemical, petrochemical and pulp and paper industries. Durlon® CFG is suitable for service in steam, oil, water, mild alkalis, mild acids, hydrocarbons and solvents.

Fire Test Certification: Passed the modified API 607 fire test and are suitable in operating maximum temperatures of up to 850°F (450°C) in air or 1200°F (650°C) in steam.

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