Global leaders in Sealing Solutions

DURLON®
SEALING SOLUTIONS






- Compressed Non-Asbestos Sheets
- PTFE Sheets/Gaskets
- Water/Sanitation NSF/ANSI 61 Gaskets
- Flexible Graphite Sheets/Gaskets
- High Temperature Sheets/Gaskets
- Low Seating Stress Gaskets
- Semi Metallic Gaskets
- Metallic Gaskets

The Durlon brand represents global leadership in sealing solutions with proven reliability, innovative processes and sustainable integrity in a wide range of demanding applications.

Durlon® 5000

Mineral Fiber with NBR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712120-A9B4E12K5L051M5

A good quality commercial grade compressed non-asbestos sheet with good chemical resistance for moderate service conditions suitable for oil, water, mild alkalis, mild acids, hydrocarbons and solvents.

Durlon® 7900/7925/7950

Aramid with NBR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712120-A9B3E22K5L151M5

Durlon® 7900/7925/7950 are an economy grade general service gasket sheet material made with NBR (Nitrile Butadiene Rubber) binder for mild service in piping and equipment with applications in steam, hydrocarbons and refrigerants and an alternative when temperature and pressure conditions are below 500ºF (260ºC) and 1,200 psig.

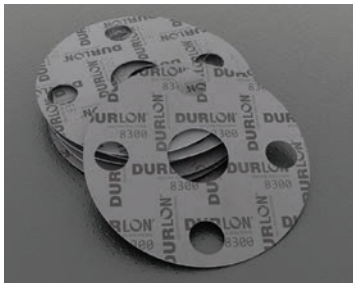
Certified to NSF/ANSI/CAN 61

Durlon® 7910

Aramid with NBR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712120-A9B3E22K5L151M5

As a quality, commercial grade compressed sheet gasket material, Durlon® 7910 was specifically developed to meet the requirement of NSF/ANSI 61 (Certification for water treatment products that are manufactured, distributed or sold in North America) for potable water application 23°C (73°F) to commercial hot 82°C (180°F).

Durlon® 7910 is manufactured by Durabla® Canada Ltd.
NSF International is a global independent organization that writes standards and protocols, and tests and certifies products for the food, water and consumer goods industries to minimize adverse health effects and protect the environment. www.nsf.org



Durlon® 8300

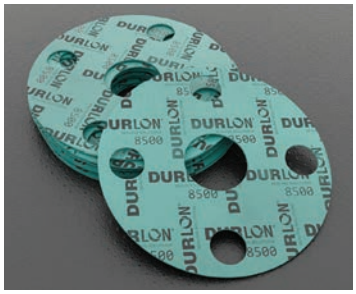
Carbon Fiber with NBR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712120-A9B3E22K5L311M5

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. This gasket material is designed to handle the extreme pressure and temperature applications that include oil, water, mild alkalis, mild acids and solvents.

Durlon® 8400

Phenolic Fiber with NBR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712120-A9B4E22K5L911M5

With an extremely wide pH application range (2-13 at room temp.) Durlon® 8400 can be used in process piping and equipment in chemical, pulp & paper and other general industrial applications. A unique high-performance compressed sheet, Durlon® 8400 is an excellent gasket material for use in steam, mild caustics and acids.



Durlon® 8500

Aramid/Inorganic with NBR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712120-A9B3E12K5L151M6

A high performance compressed gasket material for use in process industries including pulp & paper, food & beverage, pharmaceutical, hydrocarbon, chemical, refinery and general industry.

Durlon® 8600

Aramid/Inorganic with SBR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712440-A9B3E24K5L152M5

Durlon® 8600 is a quality compressed sheet gasket material for use in process industries including pulp & paper, power, petrochemical as well as general industry where a “white” gasket material is often required when working with food & beverage, pharmaceutical and plastics.

Durlon® 8700

Aramid/Inorganic with CR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712330-A9B5E45K5L153M5

Durlon® 8700 is a high performance gasket material for use in processes requiring a neoprene (CR) bonded sheet and has excellent hand and die cutting characteristics. This product has excellent resistance to ozone, oils, non-aromatic solvents and many refrigerants.

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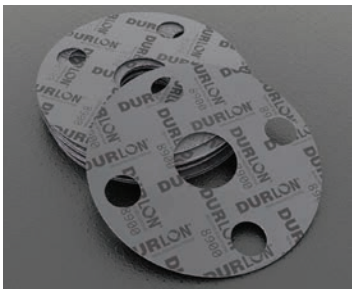

Durlon® 8900

Aramid-Graphite with NBR Rubber Binder
Compressed Non-Asbestos Gasket Material
ASTM F104: F712120-A9B2E21L101M6

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). Durlon® 8900 is ideal for saturated and superheated steam, oil, dilute acids and alkalis, hydrocarbons and solvents.

Durlon® 9000

Inorganic Filler with Pure PTFE Resins
Filled PTFE Gasket Material
ASTM F104: F452111-A9B5E11K6M6

Durlon® 9000 is for use in general industrial applications where resistance to highly aggressive chemicals is required. In addition, the shape of the fillers does not allow wicking which can cause corrosion on flange surfaces.

Durlon® 9000N

Inorganic Filler with Pure PTFE Resins
Filled PTFE Gasket Material
ASTM F104: F452111-A9B5E11K6M6

Durlon® 9000N is for use in general industrial applications where resistance to highly aggressive chemicals is required. In addition, the shape of the fillers does not allow wicking, which can cause corrosion on flange surfaces.

Durlon® 9002

Inorganic Filler with Pure PTFE Resins
Filled PTFE Gasket Material
ASTM F104: F452111-A9B5E11K6M6

Durlon® 9002 is an adaptation of the original glass-filled formula to better meet extreme cryogenic demands and is readily available through the standard manufacturing process and requires no secondary heat or cleansing treatments prior to gasket cutting. Once gaskets are cut, traditional oxygen cleaning standards must be applied for safety.

Available as oxygen cleaned gaskets, bagged, labeled, and sealed according to the European Industrial Gases Association standard for Cleaning of Equipment for Oxygen Service.

Durlon® 9200

Barium Sulfate Filler with Pure PTFE Resins
Filled PTFE Gasket Material
ASTM F104: F452111-A9B5E11K6M5

Durlon® 9200 is a filled PTFE gasket material used where resistance to highly aggressive chemicals is required. Barium sulfate fillers are homogeneously blended with pure PTFE resins to give Durlon® 9200 its physical and mechanical properties. Testing shows the fillers to be more evenly dispersed than filled PTFE with layered construction (HS-10 manufacturing method). The result is more consistent physical and mechanical properties without the voids, separation and chemical compatibility problems found in layered filled PTFE.

Durlon® 9400

Carbon Filler with Pure PTFE Resins
Filled PTFE Gasket Material
ASTM F104: F452111-A9B5E11K6M6

Durlon® 9400 is a high performance filled PTFE gasket material designed for use in piping and equipment, chemical, and other general industrial applications where resistance to highly aggressive chemicals (including hydrofluoric acid) is required. Durlon® 9400 can also be used as the gasket of choice for anhydrous hydrogen fluoride (AHF) in railroad tank cars and a good alternative for use in plants where barium sulfate filled PTFE may not be suitable.

Hydrogen fluoride is a critical chemical used in many industries, including metal manufacturing and petroleum production. It's also highly reactive and corrosive. Durlon® 9400 carbon-filled PTFE gaskets are built to endure the harshest exposure to hydrogen fluoride. This gasket provides superior sealing properties, and is both highly durable and flexible.

Durlon® 9600

Expanded PTFE
100% Pure PTFE Gasket Material
ASTM F104: F428111-A9B5E11F6M6

Durlon® 9600 is a biaxially expanded PTFE gasket, made with only pure PTFE resins, designed for use in process piping and equipment, in chemical, pulp and paper, food and beverage, and other general industrial applications, where resistance to highly aggressive chemicals is required.

Durlon® 9600 is also suitable for sealing flanges with irregular surfaces. It will not exhibit the cold flow problems associated with virgin PTFE, or the hardness problems of some filled PTFE products. It has excellent sealability, cuts easily and separates cleanly from flanges after use. This material is FDA compliant, ABS-PDA & USP Class VI certified.

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Durlon® Virgin PTFE

100% Pure PTFE Gasket Material
Available in two grades:
Skived and Reprocessed

Durlon® Virgin PTFE gasket material is a high performance PTFE product designed for use in piping and equipment in chemical and other general industrial applications where resistance to highly aggressive chemicals (including hydrofluoric acid) is required.

Durlon® Virgin PTFE is made with only pure PTFE resins, demonstrates high dielectric strength, has excellent sealability characteristics, cuts easily and separates cleanly from flanges after use.

Durlon® Flexible Graphite

Homogeneous, 316SS Foil Insert
316SS Tang Insert, 316SS Multilayer

Durlon® Flexible Graphite is unaffected by heat over a wide range of temperatures. It exhibits low electrical resistivity and high thermal conductivity and is suitable for cryogenic temperatures and is available in several styles.

These include homogeneous sheet and laminated styles with various types of core materials. Durlon® Flexible Graphite can also be special ordered with various inhibitors, grades of graphite, and core materials to suit specific critical applications.

- FGS95: Standard industrial grade sheet containing no binders or resins.
- FGL316: Standard industrial grade sheet laminated with an adhesive bond on both sides of a 0.002" thick 316 stainless steel foil core.
- FGT316: Standard industrial grade sheet mechanically bonded on both sides of a 0.004" thick 316 stainless steel tang core.
- FGM316: Inhibited grade sheet laminated with multiple layers of 0.004" thick 316 stainless steel foil core.

Durlon® RCA®

Reduced Contact Area Full Face Gasket
PTFE & Compressed Non-Asbestos
Gasket Material

RCA® is a registered trademark of Gasket Resources Inc.

Durlon® RCA® sealing system combined with Durlon® PTFE styles can replace standard full gaskets in FRP, PVC and other non-metallic and metallic pipe flanges where a low stress gasket is required. The RCA® configuration can be cut from standard PTFE & CNA sheets resulting in a cost savings versus other low stress gaskets.

AVAILABLE MATERIALS: 1⁄16" & 1⁄8" Durlon® PTFE styles and 1⁄16" Compressed Non-Asbestos styles.

Durlon® HT1000®

Phlogopite Mica with Silicone Binder
S90, L316, T316

HT1000® is a registered trademark of Triangle Fluid Controls Ltd.

Durlon® HT1000® consists of phlogopite mica paper impregnated with an inorganic binder at less than half the binder amount found in vermiculite-phyllosilicate 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 (1,832°F). Durlon® HT1000® characteristics allow for it to be used as a sealing material on its own or combined with various carrier media in heat exchangers, exhaust manifolds, and other equipment commonly found in the refinery, power generation, and chemical industries.

Phlogopite mica is a non-toxic naturally occurring hydrated silicate of potassium and magnesium with a lamellar and non-fibrous structure. It is flexible, has a high tensile strength, can withstand substantial mechanical pressure perpendicular to the lamellar plane, is chemically resistant, fireproof, infusible, incombustible, non-flammable, and is a known alternative to asbestos.

- S90: Phlogopite mica paper impregnated with an inorganic binder and no carrier.
- L316: Phlogopite mica paper impregnated with an inorganic binder laminated with a 0.002" thick 316 stainless steel carrier.
- T316: Phlogopite mica paper impregnated with an inorganic binder laminated with a 0.004" thick 316 stainless steel perforated carrier.

Durlon® iGuard™

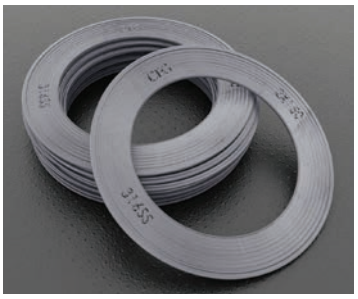
Isolation & Sealing Kits
Styles: Type F, Type E, and Type D

Considering the environmental climate of today, it is more important than ever to prevent leakage in your piping systems. With flanges being the most common trouble area, proper sealing is key to preventing leakage. Durlon® offers quality products and materials which can help solve most flange sealing problems from eliminating leakage to preventing corrosion, and saving the integrity of the pipeline.

Our Durlon® iGuard™ flange Isolation & Sealing Kits are designed to be used on flanges and piping systems to create a dielectric break, which provides cathodic protection, assist in the prevention of corrosion and eventual break down of the metal, and isolate any current in the piping system from continuing down the line.

Gasket styles are available in Type F (Raised Face), Type E (Full Face) and Type D (RTJ) flanges from NPS ½" (DN15) to NPS 144" (DN 3600) or equivalent, to meet all international piping sizes. iGuard™ gaskets meet AWWA, ANSI, API, DN, JIS and all other dimensional standards.

The Durlon brand represents global leadership in sealing solutions with proven reliability, innovative processes and sustainable integrity in a wide range of demanding applications.



Durlon® CFG

Corrugated Flexible Graphite Gasket

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

Durlon® CFG consists of flexible graphite laminated with an adhesive bond on both sides of a corrugated 316 stainless steel core. For consolidation of inventories and applications standardization, Durlon® CFG is available for all applications in 3⁄32" (2.4mm) thickness (1⁄16" and 1⁄8" thickness is also available).

Durlon® SWG

Spiral Wound Gaskets
Style: D, DR & DRI
ASME B16.20 Standards

Durlon® Spiral Wound 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. The strip metallurgy and filler material can be selected to seal a wide range of applications. All Class 150 & 300 Durlon® SWG styles have been engineered to precise manufacturing tolerances and utilize optimal winding density that allow for lower stress (bolt load) sealing compared to conventional spiral wound gaskets thus eliminating the need to stock both standard and low stress SWG's.

Durlon® ETG

Extreme Temperature Gaskets
SWG/Durtec®/Kammprofile

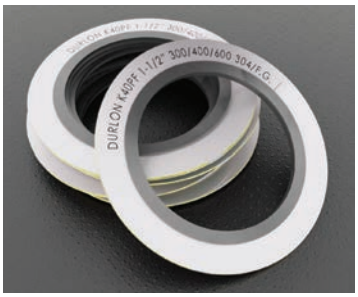
Durlon® Extreme Temperature Gaskets (ETG) have been engineered to provide the preeminent solution to sealing gasketed joints having exposure to high temperatures, typically greater than 650°C (1,200°F) and up to 1,000°C (1,832°F). At extreme temperatures, flange assembly torque retention is the key component to maintaining a tight seal. Durlon® ETG combines an oxidation boundary material with the excellent stability and sealing characteristics of flexible graphite in order to preserve seal integrity and retain the initial assembly torque.

Durlon® Joint Sealant

100% Pure Expanded PTFE
Gasket Material

Durlon® Joint Sealant (PTFE Adhesive) is a highly fibrillated expanded PTFE form-in-place sealant for gasketed joints and conforms to FDA requirements.

Supplied on spools, Durlon® Joint Sealant comes in various thicknesses with a high quality adhesive backing to ease in installation; making it ideal for worn flanges of all sizes and is not dependent on flange dimensions.



Durlon® Kammprofile

Serrated Flat Metal Gaskets
Grooved metal gasket with covering layers

Durlon® Kammprofile gaskets have a solid metal core with concentrically serrated grooves machined into the top and bottom faces. The metal core is typically stainless steel, but it can be supplied in various metallurgies as per the customer's request.

The serrated core is covered with soft sealing material and is dependent on the service conditions of the system (flexible graphite and expanded PTFE are most common).

Durlon® Durtec®

Specially Engineered Metal Core Technology

Durtec® is a registered trademark of Triangle Fluid Controls Ltd.

Durlon® Durtec® gaskets are made with a specially engineered machined metal core that is bonded on both sides with soft covering layers, typically flexible graphite. The core is produced by proprietary technology that allows the finished gasket to have the best possible mechanical support function. The Durtec® core is virtually uncrushable, unlike conventional corrugated metal core gaskets. The precision construction guarantees that Durlon® Durtec® gaskets will have excellent sealing characteristics even under low bolt loads.

Durlon® RTJ

Ring Type Joint Gaskets
Styles: R, RX, BX

Durlon® RTJ gaskets are precision machined from solid metal and are designed for high pressure and high temperature services. They seal by creating very high unit load, metal-to-metal line contact, with special mating flanges. The design of the gasket or cross-section is chosen based on the existing flange configuration and designed maximum system pressure.

Global Leaders in Sealing Solutions

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OUR CUSTOM CAPABILITIES

Durlon® prides itself in offering high-quality fabricated sealing components with high-precision and fast turnaround capabilities. Our state-of-the-art research and development facilities are geared to meet the ever-changing demands required in today's variety of service conditions. This is the reason why we use some of the most modern and sophisticated processes to meet your custom needs.

The following list of our custom capabilities is why we invest back into our companies to bring you the very best in sealing solution technology.

- **Flash Cutter**
- **PTFE Welding**
- **CNC Lathe Cutting**
- **Custom Fabricated Metallic Gaskets**
- **Custom Metallurgy**
- **Kammprofile/Durtec® Gaskets**
- **Laser Metal Cutting Machine**
- **Water Jet Cutting**
- **Hydraulic Bender**
- **Laser Marking**
- **RCA® Gaskets**
- **PTFE Manufacturing/Skiving**
- **AutoCad and Design**
- **Lab Capabilities**
- **Metal Tracing**

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