Service | Quality | Performance

Triangle Fluid Controls Ltd.®

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

Triangle Fluid Controls Ltd.® (TFC), based in Belleville, Ontario, Canada; is a market-driven and technology based company serving customers throughout the world with innovative fluid sealing and pump protection products. TFC serves a wide range of end-user customers whose success depends on the reliable performance of their equipment and piping systems.

Durlon® 7900/7925/7950

- General purpose sheet containing high-strength aramid fibres bonded with high-grade nitrile (NBR) rubber
- Commercial grade gasket with anti-stick coating that cuts easily and cleanly for improved handling

Durlon® 7910

- Contains high-strength aramid fibres bonded with high-grade nitrile (NBR) rubber
- Specifically developed to meet the requirement of NSF/ANSI 61 for potable water applications at 23°C (73°F)

Durlon® 8300 Carbon/NBR

- Multi-service, high strength carbon fibre and NBR gasket sheet suitable for a broad range of chemical and thermal services
- Can be exposed to extreme pressures and temperatures
- Excellent sealability during thermal cycling

Durlon® 8400 Phenolic/NBR

- Outstanding material designed for higher temperature and pH applications
- Provides widest range of chemical resistance of any non-asbestos-free material
- Excellent torque retention to maintain Cathodic Protection (CP)

Durlon® 8500 Aramid-Inorganic/NBR

- Contains blend of high strength aramid and inorganic fibres
- General purpose applications
- Surpassed the API 607 fire test
- HVAC service fitness tested and compatible with modern refrigerants

Durlon® 8600 Aramid-Inorganic/SBR

- Unique blend of high strength aramid and inorganic fibres with SBR binder
- White gasket material

Durlon® 8700 Aramid-Inorganic/CR

- Contains high-strength aramid and inorganic fibres bonded with high-grade neoprene (CR) rubber
- Excellent resistance to ozone, oils, non-aromatic solvents and various refrigerants
- Top performer for original style HVAC OEM applications

Durlon® 9000/9000N Inorganic/PTFE

- Approved for liquid chlorine, caustics, liquid oxygen, and high purity applications; USP Class VI Certified, DNV-GL Certified, ABS-PDA
- Certified, Complied with (EC) 1935/2004 & (EU) 10/2011, Pamphlet 95 Ed. 3, conforms to FDA requirements of 21 CFR 177.1550
- Various shapes of inorganic fillers blended with pure PTFE resins
- Certified (BAM) for oxygen service up to 52 bar (754 psi) and 260°C (500°F)

Durlon® 9200 Barium Sulfate/PTFE

- Barium sulfate filler blended with pure PTFE resin
- Suitable for hydrofluoric acid service
- BAM tested and certified for gaseous oxygen at pressures up to 52 bar (754 psi) and 260°C (500°F)
- Conforms to the requirements of 21 CFR 177.1550

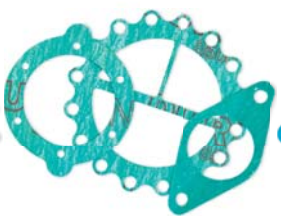
Durlon® 9400 Carbon/PTFE

- Pure PTFE resin combined with carbon filler homogeneously dispersed throughout the compound
- Developed for use in Hydrofluoric Acid and Anhydrous Hydrogen Fluoride (AHF)
- Demonstrates good electrical conducting properties where flange electrical continuity is required

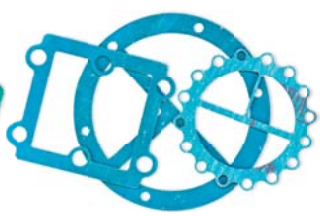
Durlon® 9600 Expanded PTFE

- Made from pure PTFE resin that offers compressibility up to 60% and is resistant to highly aggressive chemicals
- Suitable for use in steel flanges and flanges with irregular surfaces
- Unique expanding process creates a high degree of fibrillation with nearly uniform strength in all directions minimizing cold flow and creep while maximizing performance stability and reliability
- Conforms to FDA requirements of 21 CFR 177.1550

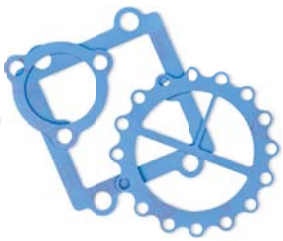
Durlon® 8400



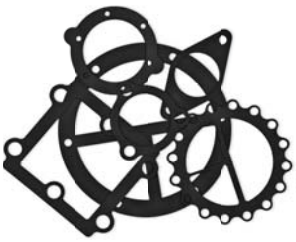
Durlon® 8500



Durlon® 8700



Durlon® 9000



Durlon® 9400

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Durlon® Joint Sealant

- Made with only 100% pure PTFE resins
- Supplied on spools it comes in various thicknesses with adhesive backing to ease in installation and is ideal for worn flanges of all sizes
- Conforms to FDA requirements of 21 CFR 177.1550

RCA (Reduced Contact Area)

- Replaces standard full face gaskets in FRP, PVC and other non-metallic and metallic pipe flanges where a low stress gasket is required
- Configuration reduces the total gasket contact area resulting in a lower seating stress at a given torque level, while preventing flange rotation
- Available materials: 1/16" and 1/8" Durlon® PTFE styles and 1/16" compressed asbestos-free styles

Durlon® Flexible Graphite

- Available in a homogeneous, laminated and tanged styles with various thickness stainless cores
- Unaffected by heat over a wide range of temperatures
- Exhibits low electrical resistivity and high thermal conductivity and is suitable for cryogenic temperatures

Durlon® HT1000® (Ultimate Mica Technology)

- Phlogopite mica paper impregnated with an inorganic binder
- Superior weight retention: less than 4% weight loss at 800°C (1,472°F), and extreme temperature sealing performance up to 1,000°C (1,800°F)
- Flexible, elastic, has a high tensile strength, can withstand substantial mechanical pressure perpendicular to the lamellar plane, chemically resistant, fireproof, infusible, incombustible, and is a known non-toxic alternative to asbestos
- Available styles: S90, L316, T316

Durlon® ETG Gaskets

- Engineered to provide the preeminent solution to sealing gasketed joints exposed to high temperatures, typically greater than 650°C (1,200°F) and up to 1,000°C (1,800°F)
- Oxidation boundary material combined with flexible graphite to preserve seal integrity and retain the initial assembly torque
- Sealing industry`s best available technology for effectively sealing extreme temperature applications
- Available styles: Spiral Wound, Durtec®, Kammprofile

Corrugated Durlon® CFG (Corrugated Metal Core)

- Fire safe and blowout resistant, the corrugated, flexible graphite material is designed for severe service conditions
- Seals imperfect flanges with no inward buckling
- One Standard Thickness: 3/32" (2.38mm)
- Standard ANSI Class 150 & 300 ring gaskets: 1/2"– 24"

Spiral Wound Gaskets

- Made with an alternating combination of a preformed engineered metal strip and a more compressible filler
- Strip metallurgy and filler material combinations can be selected to seal virtually any application
- Manufactured according to ASME B16.20 standards
- Available styles: D, DR, DRI

Kammprofile Gaskets

- Solid metal core gasket with machined grooves that provides reduced contact area and when combined with the soft conformable sealing layers
- Improved performance at low seating stresses and excellent resistance to blowout

Durlon® Durtec® (Premium Corrugated Metal Core)

- Virtually uncrushable design makes it ideal for tough to seal cyclical pressure and temperature applications under low bolt loads
- Designed to withstand high temperatures and pressures
- Fire Safe- SS316L/Graphite Passed Modified API 607 fire test
- Core may be refaced and reused

RTJ (Ring Type Joint) Gaskets

- Precision machined from solid metal and designed for high pressure and temperature as well as aggressive chemicals
- Traceable and material hardness is carefully controlled to ensure a good seal without damaging the surfaces of the flange
- ASME B16.20 standard and the API spec 6A
- Available styles: R, RX, BX

Durtec® ETG Gasket

Durlon® Joint Sealant

RCA

Durlon® Durtec®

Spiral Wound Gaskets

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