

PTFE GASKET PRODUCTS

PTFE Gasket Products are flat PTFE gasketing materials. These high-performance PTFE materials are manufactured using a process that imparts unique physical properties, which are not obtainable through conventional manufacturing methods.

Designed for severe chemical service, color-coded for easy identification, superior sealability, which helps reduce process and media loss as well as fugitive emissions, reduced creep and cold flow characteristics, and patented thermal bonding process to fabricate virtually any size gasket. The process reorients the PTFE and fillers in such a way to increase the material's tensile properties and decrease the creep relaxation problems that usually plague PTFE products. In addition, the mixing process creates a homogenous material with consistent, superior physical properties that, unlike inexpensive skived PTFE sheet materials, do not fluctuate from one side of the sheet to another.

PTFE GASKET PRODUCTS

- PTFE Gasketing with Aluminosilicate Microspheres
- NSF 61 Approved/Oxygen Service PTFE Gasketing with Aluminosilicate Microspheres
- PTFE Gasketing with Barium Sulfate Filler
- PTFE with Graphite Filler
- Microcellular PTFE Gasketing

PTFE GASKETING with ALUMINOSILICATE MICROSPHERES

BENEFITS TIGHTER SEAL

- Improved performance over conventional PTFE
- Reduced product loss and emissions

REDUCED CREEP RELAXATION

- Unique manufacturing process minimizes cold flow problems typical of skived and expanded PTFE sheets
- Excellent bolt torque retention

CHEMICAL RESISTANCE

- Withstands a wide range of chemicals for extended service life in a wide variety of applications

COST SAVINGS

- Cuts operational costs through reduced: Fluid loss, Energy consumption, Maintenance costs, Inventory costs, Waste

LARGEST SHEET SIZES

- Offers some of the largest sheet sizes in the industry
- Improved material utilization reduces waste

BRANDING AND COLOR CODING

- Easy identification of superior products
- Reduces misapplication and use of unauthorized, inferior substitutes

MEDIA

- Moderate concentrations of acids and some caustics
- Hydrocarbons
- Solvents
- Water
- Refrigerants
- Cryogenics, hydrogen peroxide (For oxygen service, specify "Style 3505 for oxygen service.")

MIN TEMPERATURE	-450°F	MAX PRESSURE	800 PSI
MAX TEMPERATURE	500°F	MAX P x T	1/16" - 350,000 (°F x PSIG) 1/8" - 250,000 (°F x PSIG)

INDUSTRY CROSSOVER: 3504, TC1003

* RAGCO supports the autonomy of its locations to select the best products to service their markets. Subtle variations of these specification may exist. Contact your RAGCO affiliate for confirmation.

NSF 61 APPROVED/OXYGEN SERVICE PTFE GASKETING with ALUMINOSILICATE MICROSPHERES

BENEFITS TIGHTER SEAL

- Improved performance over conventional PTFE
- Reduced product loss and emissions

REDUCED CREEP RELAXATION

- Unique manufacturing process minimizes cold flow problems typical of skived and expanded PTFE sheets
- Excellent bolt torque retention

CHEMICAL RESISTANCE

- Withstands a wide range of chemicals for extended service life in a wide variety of applications

COST SAVINGS

- Cuts operational costs through reduced: Fluid loss, Energy consumption, Maintenance costs, Inventory costs, Waste

LARGEST SHEET SIZES

- Offers some of the largest sheet sizes in the industry
- Improved material utilization reduces waste

BRANDING AND COLOR CODING

- Easy identification of superior products
- Reduces misapplication and use of unauthorized, inferior substitutes

MEDIA

- Potable drinking water
- Hydrocarbons
- Solvents
- Moderate concentrations of acids and some caustics
- Refrigerants
- Cryogenics, hydrogen peroxide

MIN TEMPERATURE	-450°F	MAX PRESSURE	800 PSI
MAX TEMPERATURE	500°F	MAX P x T	1/16" - 350,000 (°F x PSIG) 1/8" - 250,000 (°F x PSIG)

INDUSTRY CROSSOVER: 3505



COMPRESSED
GASKET SHEET

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PTFE GASKETING with BARIUM SULFATE FILLER

BENEFITS

TIGHTER SEAL

- Improved performance over conventional PTFE
- Reduced product loss and emissions

REDUCED CREEP RELAXATION

- Unique manufacturing process minimizes cold flow problems typical of skived and expanded PTFE sheets
- Excellent bolt torque retention

CHEMICAL RESISTANCE

- Withstands a wide range of chemicals for extended service life in a wide variety of applications

COST SAVINGS

- Cuts operational costs through reduced: Fluid loss, Energy consumption, Maintenance costs, Inventory costs, Waste

LARGEST SHEET SIZES

- Offers some of the largest sheet sizes in the industry
- Improved material utilization reduces waste

BRANDING AND COLOR CODING

- Easy identification of superior products
- Reduces misapplication and use of unauthorized, inferior substitutes

MEDIA

- Strong caustics
- Moderate acids
- Chlorine
- Gases
- Water
- Steam
- Hydrocarbons
- Cryogenics and aluminum fluoride (For oxygen service, specify "Style 3503 for oxygen service.")

MIN TEMPERATURE	-450°F	MAX PRESSURE	1200 PSI
MAX TEMPERATURE	500°F	MAX P x T	1/16" - 350,000 (°F x PSIG) 1/8" - 250,000 (°F x PSIG)

INDUSTRY CROSSOVER: 3510, TC1005

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PTFE with GRAPHITE FILLER

BENEFITS

TIGHTER SEAL

- Graphite-filled PTFE offers extremely low void content for minimal emissions
- Delivers long service against volatile hazardous pollutants (VHAP and VOC)
- Withstands high concentrations of hydrofluoric acids and other glass-dissolving media

MEDIA

- Monomer service
- Cryogenics
- Highly concentrated hydrofluoric acid
- Volatile hazardous air pollutants (VHAP)

MIN TEMPERATURE	-450°F	MAX PRESSURE	1200 PSI
MAX TEMPERATURE	500°F	MAX P x T	1/16" - 350,000 (°F x PSIG) 1/8" - 250,000 (°F x PSIG)

INDUSTRY CROSSOVER: 3530

MICROCELLULAR PTFE GASKETING

BENEFITS

TIGHTER SEAL

- Highly compressible PTFE seals under low bolt load- suitable for many non-metallic flanges*
- Compressible material conforms to surface irregularities, especially on warped, pitted or scratched flanges
- Reduced cold flow and creep normally associated with conventional PTFE gaskets

EXCELLENT CHEMICAL COMPATIBILITY

- Pure PTFE withstands a wide range of chemicals

EASY TO CUT AND INSTALL

- Soft PTFE can be cut easily from larger sheets, reducing inventory costs and expensive downtime

MEDIA

- Strong caustics
- Strong acids
- Hydrocarbons
- Chlorine
- Cryogenics
- Glasslined equipment

*For flat face flanges, a minimum compressive stress of 1,500psi is recommended on the contacted gasket area for 150psig liquid service. Consult with the flange manufacturer to confirm that adequate compressive stress is available.

MIN TEMPERATURE	-450°F	MAX PRESSURE	1200 PSI
MAX TEMPERATURE	500°F	MAX P x T	1/16" - 350,000 (°F x PSIG) 1/8" - 250,000 (°F x PSIG)

INDUSTRY CROSSOVER: 3540