

GARLOCK

- GASKETING -



GYLON® PTFE Gasketing

Garlock GYLON® gasketing is a family of flat PTFE gasketing materials. GYLON® high-performance PTFE gasketing is manufactured using a proprietary 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 innovative GYLON® gasketing 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.

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GYLON® Style 3500 PTFE Gasketing

PTFE with silica filler. Excels in most acids found in the chemical, petrochemical, and pulp and paper industries.

Style 3500- Fawn GYLON®

PTFE with Silica 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

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GYLON® Style 3500 PTFE Gasketing

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 GYLON® products
- Reduces misapplication and use of unauthorized, inferior substitutes

Media:

- Strong acids (except hydrofluoric)
- Solvents
- Hydrocarbons
- Water
- Steam
- Chlorine
- Cryogenics (For oxygen service, specify "Style 3502 for oxygen service.")

Specifications:

- Min. Temperature: -450 (°F)
- Max. Temperature: 500 (°F)
- Max. Pressure: 1200 (PSI)
- Maximum PxT 1/16: 350,000 (°F x PSIG)
- Maximum PxT 1/8: 250,000 (°F x PSIG)

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GYLON® Style 3504 PTFE Gasketing

PTFE Gasketing with aluminosilicate microsphere filler. Widely used in glass-lined flanges and other light-duty flanges where available torque is limited.

Style 3504 - Blue GYLON®

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

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GYLON® Style 3504 PTFE Gasketing

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
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GYLON® Style 3504 PTFE Gasketing

Media:

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

Specifications:

Min. Temperature: -450 (°F)

Max. Temperature: 500 (°F)

Max. Pressure: 800 (PSI)

Maximum PxT 1/16: 350,000 (°F x PSIG)

Maximum PxT 1/8: 250,000 (°F x PSIG)

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GYLON® Style 3505 PTFE Gasketing

PTFE Gasketing with aluminosilicate microspheres. NSF 61 Approved. Ideal for Oxygen Service Applications.

Style 3505 - Blue GYLON®

PTFE Gasketing with aluminosilicate microspheres.

NSF 61 approved

Oxygen Service

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

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- GASKETING -



GYLON® Style 3505 PTFE Gasketing

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 GYLON® products
- Reduces misapplication and use of unauthorized, inferior substitutes

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GYLON® Style 3505 PTFE Gasketing

Media:

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

Specifications:

Min. Temperature: -450 (°F)

Max. Temperature: 500 (°F)

Max. Pressure: 800 (PSI)

Maximum P_xT 1/16: 350,000 (°F x PSIG)

Maximum P_xT 1/8: 250,000 (°F x PSIG)

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GYLON® Style 3510 PTFE Gasketing

PTFE Gasket with barium sulfate filler. Excels in high concentrations of caustics commonly found in the pulp and paper industry.

Style 3510 - Off White GYLON®

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

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- GASKETING -



GYLON® Style 3510 PTFE Gasketing

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 GYLON® products
- Reduces misapplication and use of unauthorized, inferior substitutes

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GYLON® Style 3510 PTFE Gasketing

Media:

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

Specifications:

Min. Temperature: -450 (°F)

Max. Temperature: 500 (°F)

Max. Pressure: 1200 (PSI)

Maximum PxT 1/16: 350,000 (°F x PSIG)

Maximum PxT 1/8: 250,000 (°F x PSIG)

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GYLON® Style 3530 PTFE Gasketing

PTFE Gasketing with graphite filler. Withstands high concentrations of hydrofluoric acids and other glass-dissolving media.

Gylon® Style 3530

PTFE with graphite filler.

Benefits:

Tighter seal

- Graphite-filled PTFE offers extremely low void content for minimal emissions
- Black GYLON® 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)

Specifications:

Min. Temperature: -450 (°F)

Max. Temperature: 500 (°F)

Max. Pressure: 1200 (PSI)

Maximum PxT 1/16: 350,000 (°F x PSIG)

Maximum PxT 1/8: 250,000 (°F x PSIG)

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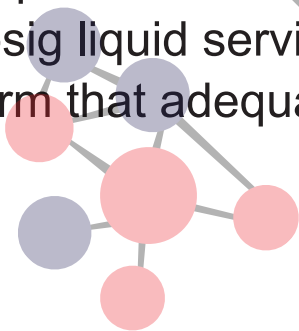


GYLON® Style 3540 Microcellular PTFE Gasketing

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.



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GYLON® Style 3540 Microcellular PTFE Gasketing

Microcellular PTFE Gaskets. Highly compressible PTFE seals under low bolt load- suitable for many non-metallic flanges.

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

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GYLON® Style 3540 Microcellular PTFE Gasketing

Microcellular PTFE Gaskets. Highly compressible PTFE seals under low bolt load- suitable for many non-metallic flanges.

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

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GYLON® Style 3545 Microcellular PTFE Gasketing

Easy to cut and install:

- Soft PTFE can be cut easily from larger sheets, reducing inventory costs and expensive downtime
- Rigid PTFE core facilitates installation, especially on large diameter flanges and hard-to-reach areas

Media:

- Strong caustics, strong acids, hydrocarbons, chlorine and cryogenics. Conforms to FDA regulations.

*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.

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GYLON® Style 3565 ENVELON® Gasketing

PTFE with aluminosilicate microsphere filler. Ideal for worn, warped or pitted flanges.

PTFE Gasketing with aluminosilicate microsphere filler.

Benefits:

Tighter seal

- Soft, deformable exterior conforms to surface irregularities; ideal for worn, warped or pitted flanges
- Stable blue core improves cold flow resistance
- Low bolt load requirements ensure a tight seal on glass-lined or wavy flanges*
- Direct sintering of GYLON® layers prevents leak paths and adhesive contamination

Easy to install:

- Unitized construction avoids jacket foldover
- Rigid core facilitates installation of large gaskets

Minimizes inventory:

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GYLON® Style 3565 ENVELON® Gasketing

Media:

- Moderate concentrations of acids and caustics, hydrocarbons, solvents, cryogenics, and glass-lined equipment

*When sealing uneven flanges, gasket must be four times thicker than maximum gap between flanges.

Specifications:

Min. Temperature: -450 (°F)

Max. Temperature: 500 (°F)

Max. Pressure: 800 (PSI)

Maximum P x T 1/16: 350,000 (°F x PSIG)

Maximum P x T 1/8: 250,000 (°F x PSIG)

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GYLON® Style HP3560 High Pressure Gasketing

Perforated stainless steel core increases resistance to pressure fluctuations and thermal cycling. Strong Acids.

Benefits:

Tight seal

- Perforated stainless steel core increases resistance to pressure fluctuations and thermal cycling
- GYLON® offers superior cold flow and creep resistance, eliminating the need for frequent retorquing

Chemical resistance:

- Seals aggressive chemicals in hostile environments where safety or blowout resistance is crucial*

Media:

- Strong acids (except hydrofluoric)
- Solvents
- Hydrocarbons
- Water
- Steam
- Chlorine
- Cryogenics (For oxygen service, specify "HP3562 for oxygen service.")

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GYLON® Style HP3561 High Pressure Gasketing

Perforated stainless steel core increases resistance to pressure fluctuations and thermal cycling. Moderate Acids.

Benefits:

Tight seal

- Perforated stainless steel core increases resistance to pressure fluctuations and thermal cycling
- GYLON® offers superior cold flow and creep resistance, eliminating the need for frequent retorquing

Chemical resistance:

- Seals aggressive chemicals in hostile environments where safety or blowout resistance is crucial*

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GYLON® Style HP3561 High Pressure Gasketing

Media:

- Strong caustics
- Moderate acids
- Chlorine
- Gases
- Water
- Steam
- Hydrocarbons
- Cryogenics
- Aluminum fluoride (For oxygen service, specify "HP3563 for oxygen service.")

*Consult Garlock Applications Engineering when using flanges in pressure classes above 300lbs.

Specifications:

Max. Temperature: 500 (°F)

Max. Pressure: 2500 (PSI)

Maximum PxT 1/16: 700,000 (°F x PSIG)

Maximum PxT 1/8: 450,000 (°F x PSIG)