



Style 3594

For more than twenty-five years, GYLON® gasketing has successfully sealed against some of the world's most aggressive applications. So much so, that it has become an industry standard and the benchmark for performance and reliability. Relax, that hasn't changed. What has changed, though, is a new formulation and process born from over a quarter century of manufacturing experience.

Specifications*

Temperature, cont. max.	-450°F (-268°C) to +500°F (+260°C)
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Pressure, max.	800 psig (55 bar)
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P x T, max.**	
1/32" (0.8mm) 1/16" (1.6mm)	350,000 (12,000)
1/8" (3.2 mm)	250,000 (8,600)

* Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure or continuous operating temperature, or 50% of maximum PxT, consult Garlock Applications Engineering.

** P x T = psig x °F (bar x °C)



Value & Benefits

- Excellent cost/use ratio
- Superior chemical resistance
- Excellent sealability properties
- Easy to remove from flange faces
- Unlimited shelf life
- Easy to cut and handle, flexible, durable
- Patented welding process for unlimited gasket size

Ideal for

- Food processing
- Pharmaceutical
- Chemical process
- Brewing, distilling
- Pulp & paper
- General industrial use

Garlock

SEALING TECHNOLOGIES®

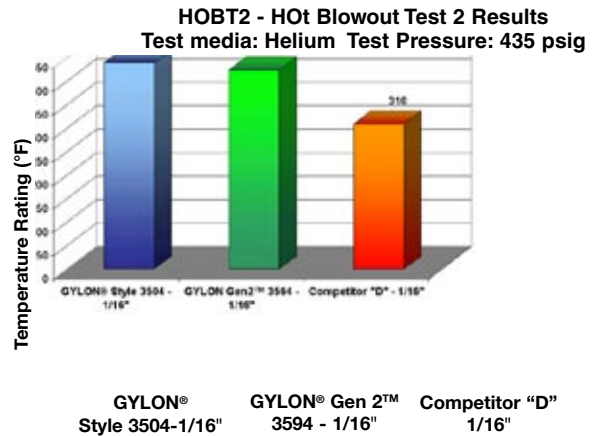
Physical Properties

ASTM Test Method	Typical Physical Properties	Typical Results
F36	Compressibility, % range	10-20
F36	Recovery, %	45
F37B	Sealability, milliliters/hour leakage ASTM Fuel A (isooctane): Gasket load = 1,000 psi (7 N/mm ²) Internal pressure = 9.8 psig (0.7 bar)	0.5
	Nitrogen: Gasket load = 3,000 psi (21 N/mm ²) Internal pressure = 30 psig (2.1 bar)	0.1
F38	Creep Relaxation, % 22 hrs @ 212°F (100°C)	30
D1708	Tensile Strength, psi (N/mm²) Across Grain	2000 (14)
D792	Specific Gravity	2.10
D149	Dielectric Strength, volts/mil.	350
	Flammability: will not support flame	
	Bacterial Growth: will not support	

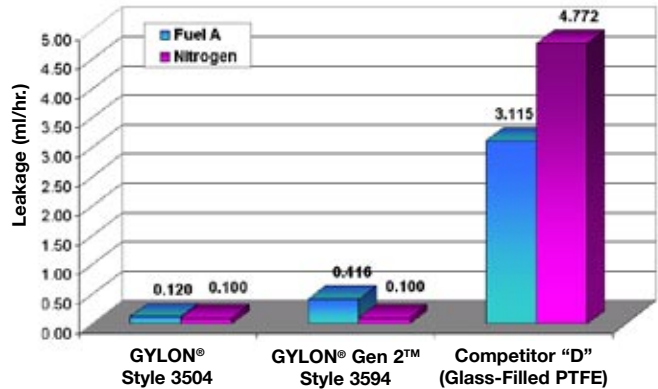
These values do not constitute specification limits. This is a general guide and should not be the sole means of selecting or rejecting this material. Properties are based on 1/32" (0.8 mm) sheet thickness.

ASTM F104 line callout (based on 1/32" [0.8 mm] thick):
F453111A9B5E11M6

Comparison Tests



ASTM F37B - Sealability Results - 1/16" Thick Samples
Fuel A - 1,000 psi gasket stress, 9.8 psig system pressure
Nitrogen - 3,000 psi gasket stress, 30 psig system pressure



AUTHORIZED REPRESENTATIVE

Garlock
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WARNING:

Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock. Failure to select the proper sealing products could result in property damage and/or serious personal injury.

Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing.

While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice.

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