

# Garlock Style 2400

Style 2400 is a quality, general service compressed non-asbestos gasketing material which is grey in color. The combination of a nitrile (NBR) rubber binder with aramid and mineral fibers provides good performance at a competitive price.



## Specifications\*

Temperature, min.	-40°F (-40°C)
Cont. operating temp.	+400°F (+205°C)
Pressure, max.	1,000 psi (69 bar)
<b>P x T, max.**</b>	
1/32" (0.8mm) 1/16" (1.6mm)	350,000 (12,000)
1/8" (3.2mm)	250,000 (8,600)

\* When approaching maximum pressure or continuous operating temperature, or 50% of Maximum PxT, consult Garlock Applications Engineering. Pressure and PxT max ratings based on standard ANSI flanges at our preferred torque values.

\*\* P x T = psig x °F (bar x °C)

## Value & Benefits

- Unique blend of organic and inorganic fibers
- Oil and fuel resistant binder
- Improved compressibility and thermal stability
- Good performance in low pressure saturated steam
- Longer life

## Ideal for Industries

- General service
- Water municipalities
- Water treatment

## Media

- Water
- Aliphatic hydrocarbons
- Oils
- Gasoline
- Saturated steam

# Physical Properties

ASTM Test Method	Typical Physical Properties
F37B	<b>Sealability</b> Milliliters/Hour Leakage, <b>ASTM Fuel A (isooctane):</b> <b>1.0</b> Gasket Load, 500 psi (3.5 N/mm <sup>2</sup> ) Internal Pressure, 9.8 psig (0.7 bar) <b>Nitrogen:</b> <b>1.5</b> Gasket Load, 3000 psi (20.7 N/mm <sup>2</sup> ) Internal Pressure, 30 psig (2 bar)
F36	<b>Recovery, %</b> <b>50</b>
F36	<b>Compressibility, % Range</b> <b>10-20</b>
F38	<b>Creep Relaxation, %</b> <b>20</b> 22 hrs. @ 212°F (100°C)

ASTM Test Method	Typical Physical Properties
F146	<b>Fluid Resistance After Five Hours Immersion</b> <b>ASTM #1 Oil @ 300°F (150°C)</b> Thickness Increase Range, %: <b>0-10</b> Weight Increase Max., %: <b>15</b> <b>ASTM IRM #903 Oil @ 300°F (150°C)</b> Thickness Increase Range, %: <b>0-15</b> Tensile Loss Max., %: <b>35</b> <b>ASTM Fuel A @ 70-85°F (20-30°C)</b> Thickness Increase Range, %: <b>0-10</b> Weight Increase Max., %: <b>10</b> <b>ASTM Fuel B @ 70-85°F (20-30°C)</b> Thickness Increase Range, %: <b>0-10</b> Weight Increase Max., %: <b>15</b>
F152	<b>Tensile Strength</b> <b>1750</b> Across Grain, psi (N/mm <sup>2</sup> ): <b>(12)</b>

## Sizes

**60" x 63" sheet size**

**1/32", 1/16", 1/8" thicknesses**

**NOTE:** This is a general guide and should not be the sole means of selecting or rejecting this material. Properties based on 1/32" (0.8mm) sheet thickness. Typical physical properties are derived from averages of actual test results. These values do not constitute specification limits.

## AUTHORIZED DISTRIBUTOR



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ISO 9001:2000  
 Cert. #001762

### 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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