

## Garlock Style 3760



# MULTI-SWELL™ Gasket

—the world's only premier self-loading general service gasket.

**Over 70% of gasket failures are due to lack of load.** MULTI-SWELL™ Style 3760 Gaskets react with water or oil to create its own load. Problems with low load applications and leakage are a thing of the past.



## Specifications

### Materials of Construction

Synthetic fiber sheet with a proprietary rubber binder

**Temperature** Min -40°F (-40°C)  
Cont. Oper. +400°F (+205°C)

**PxT (max)\*** 150,000 (5,100) 1/16" and 1/32"  
100,000 (3,400) 1/8"

**Pressure\*** 500 psi (35 Bar)

**ASTM F-104** Line Callout F719990A9B6M3  
Compressibility: 15-30%, Thickness and weight increase 903 Oil; >70%  
A9 Sealability: (1) Nitrogen .75 ml/hr. max.  
(2) ASTM Fuel A .5 ml/hr

#### NOTE:

This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results are in accordance with ASTM F104; properties based on 1/32" (0.8mm) sheet thickness (except as noted).

\* P x T = psig x °F (bar x °C)

## Value & Benefits

- Creates compressive load in light weight flanges in oil and water service — seals where standard gaskets won't
- More universal than gaskets that swell in oil only — reduces inventory
- Performs well in flanges that might crush an elastomer gasket, providing use in a wide array of applications
- More compressible than standard fiber gaskets and seals with low load
- Easy to cut and handle — extremely flexible, minimizes waste
- Replaces vegetable fiber gaskets in many applications — won't weep, improving plant safety
- Seals flanges in "less than perfect" conditions minimizing maintenance

## Ideal for

- Compressors
- Pumps
- Gear Boxes
- Transformers
- Access Covers
- Generators
- Fuel Pumps
- Cast Water Flanges
- Sight Glasses
- Handhole/Manhole

# Garlock

SEALING TECHNOLOGIES®

# Physical Properties

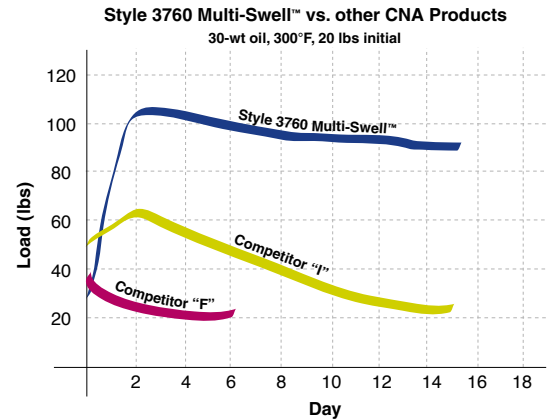
ASTM Test Method	Typical Physical Properties	Typical Results
F-37B	<b>Sealability</b> Milliliters/Hour Leakage, <b>ASTM Fuel A (isooctane):</b> Gasket Load, 500 psi (3.5 N/mm <sup>2</sup> ) Internal Pressure, 9.8 psig (0.7 bar)	.15
	<b>Nitrogen:</b> Gasket Load, 3000 psi (21 N/mm <sup>2</sup> ) Internal Pressure, 30 psig (2 bar)	.20
F-36	<b>Recovery, %</b>	40
F-36	<b>Compressibility, % Range</b>	15-30
F-38	<b>Creep Relaxation, %</b> 22 hrs. @ 212°F (100°C)	30
F-146	<b>Fluid Resistance After Five Hours Immersion</b> <b>ASTM #1 Oil @ 300°F (150°C)</b> Thickness Increase, Typ., %: Weight Increase, Typ., %:	≥15 30
	<b>ASTM IRM #903 Oil @ 300°F (150°C)</b> Thickness Increase, Typ., %: Weight Increase, Typ., %:	75 85
	<b>Dist. H<sub>2</sub>O (20-30°C)</b> Thickness Increase, Typ., %:	40
F-152	<b>Tensile Strength (psi)</b> Across Grain, psi (N/mm <sup>2</sup> ):	1000 (6.9)
F-1315	<b>Density, lbs./ft.<sup>3</sup> (grams/cm<sup>3</sup>)</b>	85 (1.36)

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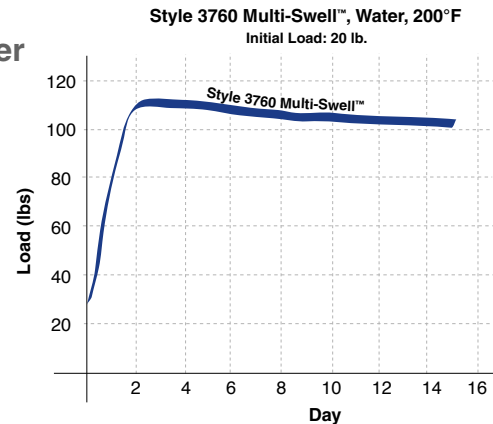
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# Load Generation

Oil



Water



## AUTHORIZED REPRESENTATIVE

### 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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