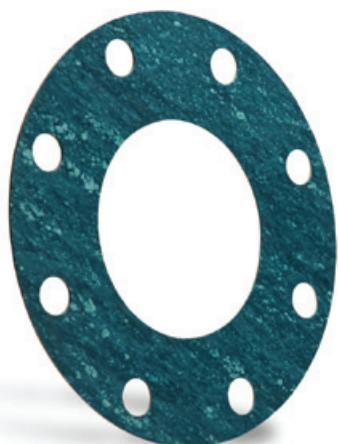


# Garlock Style 3760 Multi-Swell™ Gasketing

The world's only premier self-loading  
general service gasketing material



Now available:

NSF 61 Approved for potable  
water service (3760-U)

10CFR50 Appendix B audited  
for Safety Related Products

# Garlock Style 3760 Multi-Swell™ Gasketing

The world's only premier self-loading  
general use gasketing material

Garlock's proprietary gasketing material—MULTI-SWELL—actually creates its own load when it comes into contact with oil or water. This revolutionary material does not degrade in contact with oils and adapts easily to all types of flange design, so it's ideal for a broad range of applications.

Twice as soft as conventional gaskets, MULTI-SWELL is easy to cut and readily conformable even to irregular flanges, ensuring tight seals with lower loads.

## Certifications

10CFR50 APPENDIX B AUDITED

MULTI-SWELL Style 3760-U is now NSF Certified for NSF-61 applications. If you are looking for a gasket that is certified for drinking water applications, MULTI-SWELL 3760-U is the best choice.

- > ANSI Flanges 10" or larger = Any thickness gasket up to and including 1/8"
- > ANSI Flanges 6" or larger = Any thickness gasket up to and including 1/16"

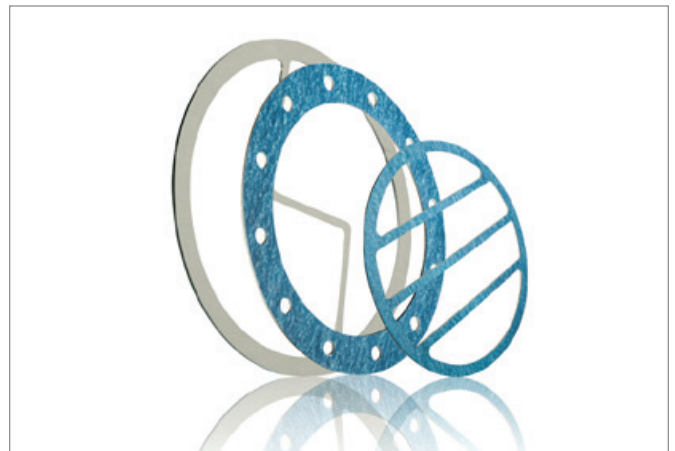
NOTE: Please request 3760-U, the unbranded version of Style 3760.

## 10 CFR 50 App. B

Now available - Nuclear Grade to comply with both commercial and safety related requirements.

### VALUE AND BENEFITS

- > Creates compressive load in light weight flanges in oil and water service — seals where standard fiber gaskets won't
- > More universal than gaskets that swell in oil only — reduces inventory
- > Performs well in flanges that might crush an elastomer, providing use in a wide array of applications
- > Since 3760's crush strength is many times higher than a rubber gasket, it can be safely used in applications that would typically crush elastomeric gaskets.
- > More compressible than standard fiber gaskets and seals with lower loads
- > Easy to cut and handle — extremely flexible, minimizes waste
- > Replaces vegetable fiber gaskets in many applications — won't weep or wick system fluids, improving plant safety
- > Seals flanges in "less than perfect" condition minimizing maintenance



### IDEAL FOR

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

# Garlock Style 3760 Multi-Swell™

## TYPICAL PHYSICAL PROPERTIES

<b>ASTM F36</b>	<b>Compressibility, range, %</b>	15-30
<b>ASTM F36</b>	<b>Recovery, %</b>	40
<b>ASTM F-37B</b>	<b>Sealability</b> Milliliters/Hour Leakage	
	<b>ASTM Fuel A (Isooctane)</b>	0.15
	Gasket load, 500psi (3.5N/mm <sup>2</sup> ) Internal Pressure, 9.8 psig (0.7bar)	
	<b>Nitrogen:</b>	0.20
	Gasket load, 3,000psi (21 N/mm <sup>2</sup> ) Internal pressure, 30 psig (2 bar)	
<b>ASTM F146</b>	<b>Fluid Resistance After 5 Hrs Immersion</b>	
	<u>ASTM #1 Oil @ 300°F (150°C)</u>	
	Thickness Increase, Typ %	≥15
	Weight Increase, Typ %	30
	<u>ASTM IRM #903 Oil @ 300°F (150°C)</u>	
	Thickness Increase, Typ %	75
	Weight Increase, Typ %	85
	<u>Dist. H<sub>2</sub>O (20-30°C)</u>	
	Thickness Increase, Typ %	40
<b>ASTM F152</b>	<b>Tensile, Across Grain, psi (N/mm<sup>2</sup>)</b>	1000 (6.9)
<b>ASTM F1315</b>	<b>Density, lbs./ft.<sup>3</sup> (grams/cm<sup>3</sup>)</b>	85 (1.36)

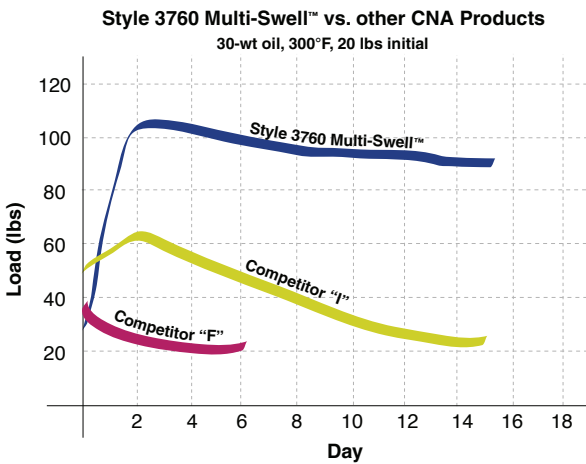
## SPECIFICATION

<b>Material of Construction</b>	Synthetic fiber sheet with a proprietary rubber binder
<b>Temperature</b>	Min -40°F (-40°C) Cont. Oper. +400°F (+205°C)
<b>PxT (max)*, (psig x °F)(bar x °C)</b>	150,000 (5,100) 1/16" and 1/32" 100,000 (3,400) 1/8"
<b>Pressure</b>	500 psig (35 bar)
<b>ASTM F-104</b>	Line Callout F719909B6M3 Compressibility: 15-30%, Thickness and weight increase 903 Oil; >70%  A9 Sealability: (1) Nitrogen .75ml/hr. max (2) ASTM Fuel A .5ml/hr

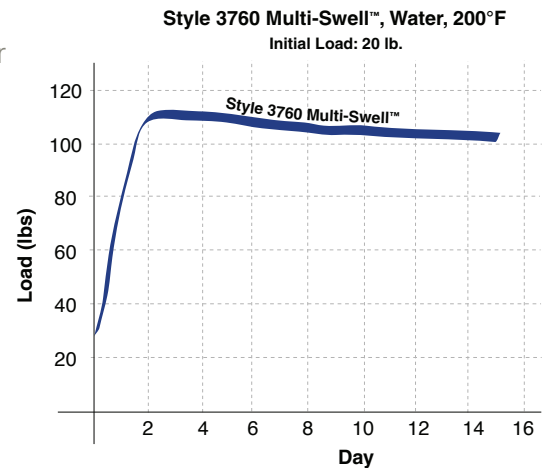
*NOTE: This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results are in accordance with ASTM F104; properties based on 1/32" (0.8mm) sheet thickness (except as noted).*

\* PxT = psig x °F (bar x °C)

Oil



Water



# Chemical Resistance Compatibility Chart

## CHEMICAL RESISTANCE RATING

A - Ideal for low pressure applications  
 B - Fair, Depends on conditions; please contact Applications Engineering  
 C - Unsuitable  
 - - Insufficient Data- Contact Applications Eng.

## SWELL RATING

Y - Gasket will swell  
 N - Gasket will not swell  
 M - Gasket may swell, customer evaluation is recommended

Medium	Rating	Swell	Medium	Rating	Swell	Medium	Rating	Swell
Air	A	N	Kerosene	B	Y	141b	-	M
Ammonium Chloride	A	M	Lacquer Solvents	C	M	142b, 143a, 152a	A	N
Asphalt	B	Y	Linseed Oils	A	Y	218	A	M
Aviation Gasoline	B	Y	Lubricating Oils			290	C	M
Bio-Diesel (B100)	A	Y	Mineral or Petroleum Types	A	Y	500	-	M
Bleach (Sodium Hydrochlorite)	C	M	Refined	A	Y	502, 503	A	M
Boiler Feed Water	A	Y	Sour	B	Y	507	-	N
Brine (Sodium Chloride)	A	Y	Methyl Alcohol	A	M	717 (Ammonia)	B <sup>1</sup>	M
Butyl Alcohol, Butanol	A	M	Methyl Ethyl Ketone	C	M	744 (Carbon Dioxide)	A	N
Calcium Chloride	A	M	Mineral Oils	A	Y	C316, C318	A	M
Carbon Dioxide, Dry	A	M	Mobiltherm 600	B	Y	HP62, HP80, HP81	-	M
Carbon Dioxide, Wet	A	M	Mobiltherm 603	B	Y	Salt Water	A	Y
Castor Oil	A	Y	Mobiltherm 605	B	Y	Sewage	A	Y
Corn Oil	A	Y	Mobiltherm Light	B	Y	Soap Solutions	A	M
Cotton Seed Oil	A	Y	MultiTherm 100	B	Y	Sodium Chloride	A	M
Creosote	B	Y	MultiTherm 503	C	Y	Soybean Oil	A	Y
Crude Oil	A	Y	MultiTherm IG-2	B	Y	Syltherm 800, XLT	B <sup>1</sup>	N
Detergent Solutions	B	M	MultiTherm PG-1	B	Y	Therminol 44, 55, 59, 60, 66, 75	C	Y
Diesel Oil	A	Y	Naptha	C	M	Therminol D12	B <sup>1</sup>	Y
Dowfrost	A	Y	Natural Gas	B <sup>1</sup>	Y	Therminol LT	C	Y
Dowfrost HD	B	N	Octane	C	M	Therminol VP-1	C	Y
Dowtherm 4000	B	N	Oil, Animal and Vegetable	A	Y	Therminol XP	B <sup>1</sup>	Y
Dowtherm A, E, G, HT, J, Q	C	Y	Oil, Petroleum - Crude or Refined	A	Y	Toluene	C	Y
Dowtherm SR-1	B	N	Paraffin	B	M	Transformer Oil (Mineral Type)	A	Y
E85 (85% Ethanol, 15% Gas)	A	Y	Paratherm HE	B	Y	Transmission Fluid A	A	Y
Ethylene	B	M	Paratherm NF	B	Y	Tung Oil	B	Y
Ethylene Glycol	A	N	PolyAlpha Olefin (PAO)	A	Y	Turpentine	B	M
Fuel Oil	A	Y	Propyl Alcohol	A	N	UCON Heat Transfer Fluid 500	B	N
Gasoline, Refined	B	Y	Refigerants			UCON Process Fluid WS	B	N
Gasoline, Sour	B	Y	10	C	M	Varnish	C	M
Glycerine, Glycerol	A	M	11	C	M	Water - Distilled	A	Y
Glycol	A	M	12, 13, 13B1	A	M	Water - Return Condensate	B	Y
Grease, Petroleum Base	A	Y	21	C	M	Water - Seawater	A	Y
Heptane	B	Y	22	B	M	Water - Tap	A	Y
Hexane	B	Y	23, 31	A	M	Wood Alcohol	A	M
Hydraulic Oil, Mineral	A	Y	32	A	N	Xceltherm 550	C	M
Hydraulic Oil, Synthetic	B	M	112	C	M	Xceltherm 600	B	Y
Hydrogen	A	M	113, 114	A	M	Xceltherm MK1	C	Y
Isobutane	B	Y	114B2	C	M	Xceltherm XT	C	Y
Isooctane	B	Y	115	A	M	Xylene	C	Y
Isopropyl Alcohol	A	N	123	C	Y			
Jet Fuels (JP Types)	B	Y	124, 125, 134a	A	N			

## NOTES

1. Consult the factory regarding your applications.

GSK 3:69 Jan 13

## GARLOCK

an *EnPro* Industries family of companies

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