

Garlock Style 3750 LEAK-GARD™ Gasketing

Value and Benefits

Improvement over traditional gaskets

- No loss of compressive load over time
- No degradation of gasket in oil service
- No weepage, as with vegetable fiber or cork gaskets

Proprietary compound reacts with oil to create a tight, long-lasting seal

- Actually increases bolt load and bolt load retention
- Fills in low spots in flanges; compensates for low load areas



Specifications†

Material	Synthetic fiber with proprietary rubber binder
Temperature, cont. operating	-40°F (-40°C) to +400°F (+204°C)
Pressure, max.	1,200 psig (83 bar)
P x T, max.††	
1/32" (0.8mm), 1/16" (1.6 mm)	350,000 (12,000)
1/8" (3.2 mm)	250,000 (8,600)

† Based on ANSI RF flanges at the maximum recommended 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)

Stops oil leakage in:

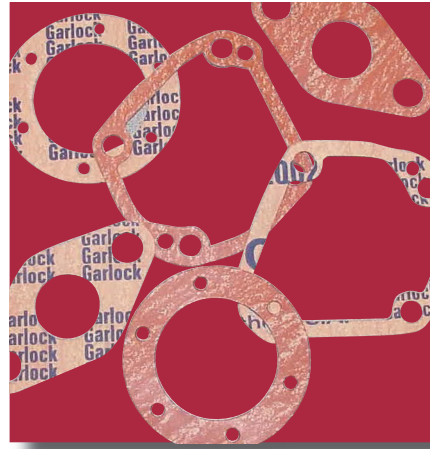
- Turbines
- Transformers
- Gear boxes
- Access covers
- Generators
- Lube oil
- Diesel fuel pumps

Physical Properties

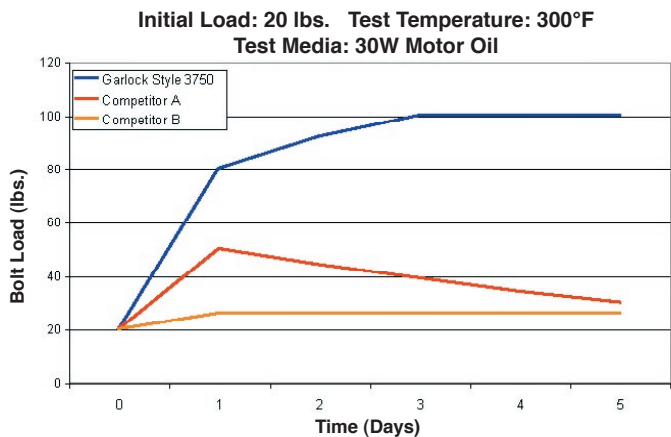
ASTM Test Method	Typical Physical Properties	Typical Results
ASTM F36	Recovery, %	52.3
ASTM F36	Compressibility, %	10.0
ASTM F38	Creep Relaxation, % 22 hrs @ 212°F (100°C)	22.0
ASTM F146	Fluid Resistance after 5 hours immersion	
	ASTM #1 Oil, 5 hours @ +300°F (+150°C) Thickness increase, %	22.5
	ASTM IRM #903 Oil, 5 hours @ +300°F (+150°C) Thickness increase, %	66.4
	ASTM Fuel B, 5 hours @ room temperature Thickness increase, %	22.0
ASTM F152	Tensile Strength, psi (N/mm²) Across Grain	3056 (21)

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.

Thickness measured with a 9 oz. weight before immersion and 3 oz. after immersion.



Bolt Load Generation Test



AUTHORIZED REPRESENTATIVE



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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Garlock

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