AGRI-GARD™ Style 2676

Benefits

Ideal for ethanol industry

- Designed to excel in saturated steam, water, oils, fuels—over 90% of industry applications

High performance

- Inorganic fiber gasketing offers excellent thermal stability with minimal weight loss
- Reduced creep relaxation and improved torque retention ensure optimal sealability

MULTI-SWELL™ Style 3760

Plant Engineering PRODUCT of the YEAR WINNER

Benefits

Ultra-tight seal in water and oil applications

- Proprietary formulation creates additional gasket load when the gasket comes in contact with oil or water
- Twice as compressible as standard fiber gaskets - conforms to irregular surfaces

Versatile

- Stops leakage in:
  - Gear boxes
  - Compressors
  - Pumps
  - Lube oil systems
  - Access covers

LEAK-GARD™ Style 3750 is also available exclusively for oil-swell applications.

Typical Physical Properties*

		2676	3760
Color		Grey	Blue/off-white
Binder		Nitrile (NBR)	Proprietary
Temperature[1]	Minimum Continuous max.	-100°F (-75°C) +550°F (+290°C)	-40°F (-40°C) +400°F (+205°C)
Pressure, max.[1]	psig (bar)	1,200 (83)	500 (35)
P x T, max.[1] (psig x °F) (bar x °C)	1/32", 1/16" (0.8mm, 1.6 mm) 1/8" (3.2 mm)	400,000 (14,000) 275,000 (9,600)	150,000 (5,100) 100,000 (3,400)
Sealability (ASTM F37B)[2]			
ASTM Fuel A	ml/hr	0.2	0.15
Nitrogen	ml/hr	1.0	0.20
Gas Permeability (DIN 3535 Part 4)[3]	cc/min.	0.05	–
Creep Relaxation (ASTM F38)	%	15	30
Compressibility Range (ASTM F36)	%	7-17	15-30
Recovery (ASTM F36)	%	>50	40
Tensile Strength across grain (ASTM F152)	psi (N/mm²)	1,500 (10)	1,000 (6.9)
Fluid Resistance (ASTM F146 @ 5 hours)			
ASTM #1 Oil at +300°F (+150°C)			
Thickness increase, Typ., %		–	≥15
Weight Increase, Typ., %		–	30
ASTM IRM #903 Oil at +300°F (+150°C)			
Thickness increase, Typ., %		–	75
Weight Increase, Typ., %			85
Dist. H_2O +70-85°F (20-30°C)			
Thickness increase, Typ., %		–	40
Density 1/32" (0.8 mm) thk	lbs/ft³ (g/cm³)	110 (1.76)	85 (1.36)

This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results in accordance with ASTM F-104; properties based on 1/32" (0.8mm) sheet thickness.

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

Notes:

1. Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum PxT, consult Garlock Engineering.
2. ASTM F37B Sealability, milliliters/hour (1/32" thick)
   ASTM Fuel A (isooctane):
   Gasket load = 500 psi (3.5 N/mm²), Internal pressure = 9.8 psig (0.7 bar)
   Nitrogen:
   Gasket load = 3,000 psi (20.7 N/mm²), Internal pressure = 30 psig (2 bar)
3. DIN 3535 Part 4 Gas Permeability, cc/min. (1/16" thick)
   Nitrogen:
   Gasket load = 4,640 psi (32 N/mm²), Internal pressure = 580 psig (40 bar)
4. Saturated steam service guidelines:
   - For optimal performance, use thinner gaskets when possible.
   - Minimum recommended assembly stress = 4,800 psi.
   - Preferred assembly stress = 6,000 psi to 10,000 psi.
   - Retorque the bolts/studs prior to pressurizing the assembly. Never retorque a pressurized assembly.
   - If the service is superheated steam, contact Applications Engineering.

*** Values do not constitute specification limits**