

GARLOCK

Garlock IFG® 5500

Compressed Inorganic Fiber Gasketing

BENEFITS:

Tighter Seal

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

Temperature Resistant

- Non-oxidizing fibers withstand a continuous operating temperature of up to 550°F (290°C) and maximum spike of 800°F (425°C)
- IFG® 5500 has passed the Garlock Fire Test
- ABS Fire Safe Type Approved

MEDIA:

- Water
- Aliphatic hydrocarbons
- Oils
- Gasoline
- Saturated steam*
- Inert gases
- Most refrigerants

*Minimum recommended assembly stress= 4,800 psi. Preferred assembly stress= 6,000-10,000 psi. 1/16" gasket thickness strongly preferred. Retorque bolts/studs prior to pressurizing the assembly. For saturated steam above 150 psig or superheated steam, consult Garlock Engineering.

TYPICAL PHYSICAL PROPERTIES:

Color:	Gray
Binder:	Nitrile (NBR)
Temperature Min / Max:	-40°F / 800°F (-40°C / 425°C)
Temperature, Cont. Max:	550°F (290°C)
Pressure, Cont. Max:	1200 psi (83 bar)
Maximum P×T 1/16:	400,000 (°F x psig)
Maximum P×T 1/8:	250,000 (°F x psig)

Sealability (ASTM F37B) ¹	
ASTM Fuel A:	0.2 ml / hr
Nitrogen:	1.0 ml / hr
Creep Relaxation: (ASTM F38)	15%
Compressibility Range: (ASTM F36)	7 – 17%
Recovery: (ASTM F36)	50%
Tensile Strength: (ASTM F152)	1500 psi (10 N / mm ²)
Density:	110 lbs / ft ³ (1.76 g / cm ³)
Gas Permeability: (DIN 3535 Part 4) ²	0.05 cc / min

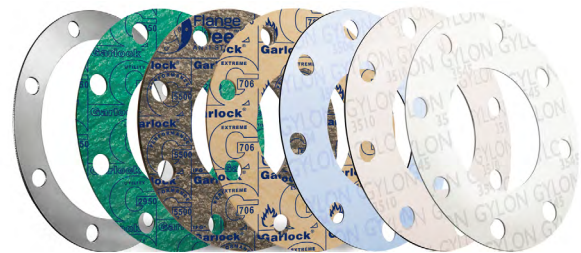
NOTES:

1. ASTM F37B Sealability
ASTM Fuel A (isooctane): Gasket load= 500 psi (3.5 N/mm²) Internal pressure= 9.8 psig (0.7 bar); Nitrogen: Gasket load= 3000 psi (20.7N/mm²) Internal pressure= 30 psig (2 bar)
2. DIN 3535 Part 4 Gas Permeability, cc/min. (1/16" thick); Nitrogen: Gasket load= 4640 psi (32 N/mm²) Internal pressure= 580 psig (40 bar)

DIN GASKETS:

Type	Pressure	Size	Item #
Full Face	PN10	200	GFF-D10-200-AA
		250	GFF-D10-250-AA
		300	GFF-D10-300-AA
		350	GFF-D10-350-AA
	PN16	15	GFF-D16-015-AA
		20	GFF-D16-020-AA
		25	GFF-D16-025-AA
		32	GFF-D16-032-AA
		40	GFF-D16-040-AA
		50	GFF-D16-050-AA
		65	GFF-D16-065-AA
		80	GFF-D16-080-AA
		100	GFF-D16-100-AA
		125	GFF-D16-125-AA
		150	GFF-D16-150-AA
200	GFF-D16-200-AA		
Ring Type	PN10	200	GRT-D10-200-AA
		250	GRT-D10-250-AA
		300	GRT-D10-300-AA
	PN16	15	GRT-D16-015-AA
		20	GRT-D16-020-AA
		25	GRT-D16-025-AA
		32	GRT-D16-032-AA
		40	GRT-D16-040-AA
		50	GRT-D16-050-AA
		65	GRT-D16-065-AA
		80	GRT-D16-080-AA
		100	GRT-D16-100-AA
		125	GRT-D16-125-AA
		150	GRT-D16-150-AA
		200	GRT-D16-200-AA
250	GRT-D16-250-AA		
300	GRT-D16-300-AA		
500	GRT-D16-500-AA		

*Larger sizes are available upon request.



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