

**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 x T 1/16:	400,000 (°F x psig)
Maximum P x T 1/8:	250,000 (°F x psig)

<b>Sealability (ASTM F37B)<sup>1</sup></b>	
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 <sup>2</sup> )
Density:	110 lbs / ft <sup>3</sup> (1.76 g / cm <sup>3</sup> )
Gas Permeability: (DIN 3535 Part 4) <sup>2</sup>	0.05 cc / min

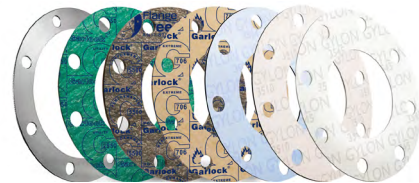
**NOTES:**

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)

**JIS GASKETS:**

Type	Pressure	Size	Item #		
Full Face	5k	15	GFF-J05-015-AA		
		20	GFF-J05-020-AA		
		25	GFF-J05-025-AA		
		32	GFF-J05-032-AA		
		40	GFF-J05-040-AA		
		50	GFF-J05-050-AA		
		65	GFF-J05-065-AA		
		80	GFF-J05-080-AA		
		100	GFF-J05-100-AA		
		125	GFF-J05-125-AA		
		150	GFF-J05-150-AA		
		200	GFF-J05-200-AA		
		250	GFF-J05-250-AA		
		300	GFF-J05-300-AA		
		350	GFF-J05-350-AA		
		400	GFF-J05-400-AA		
		Full Face	10k	15	GFF-J10-015-AA
				20	GFF-J10-020-AA
				25	GFF-J10-025-AA
				32	GFF-J10-032-AA
40	GFF-J10-040-AA				
50	GFF-J10-050-AA				
65	GFF-J10-065-AA				
80	GFF-J10-080-AA				
100	GFF-J10-100-AA				
125	GFF-J10-125-AA				
150	GFF-J10-150-AA				
200	GFF-J10-200-AA				
Full Face	16k	15	GFF-J16-015-AA		
		20	GFF-J16-020-AA		
		25	GFF-J16-025-AA		
		32	GFF-J16-032-AA		
		40	GFF-J16-040-AA		
		50	GFF-J16-050-AA		
		65	GFF-J16-065-AA		
		80	GFF-J16-080-AA		
		100	GFF-J16-100-AA		
		125	GFF-J16-125-AA		
		150	GFF-J16-150-AA		
		200	GFF-J16-200-AA		
250	GFF-J16-250-AA				
300	GFF-J16-300-AA				

\*Larger sizes are available upon request.



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