

Therma-Pur™ Style 4122

FC, CMG, KAMM

THERMa-PUR™ is a proprietary new gasketing material designed for use in high temperature sealing applications. It is produced using an environmentally friendly solvent-free process and combines a unique formulation with a patent-pending fiber core. THERMa-PUR™ is yet another innovative Garlock Sealing Technologies sealing solution that provides more than just temperature resistance.

VALUE AND BENEFITS

Extreme Temperature

» Able to withstand high temperature, whether continuous or in thermal cycling conditions

Oxidation Resistance

» Contains proprietary materials that provide improved weight loss characteristics over other high temperature solutions. (see graph)

Hydrophobic and Electrically Insulating

» Resists water and provides electrical isolation thus reducing the possibility of corrosion between flanges made of dissimilar metals

Easy Release from Flanges

» Does not stick to flanges making removal of gaskets easy and fast

Safer Handling

» Patent-pending fiber core makes gaskets safer to handle when compared to traditional high temperature gaskets with steel cores

EQUIPMENT

- » Marine and Land Based Exhaust Systems
- » Biomass Gasification Process
- » Oil and Gas Production
- » Mineral and Fertilizer Processing
- » Incineration Process
- » Co-generation Systems
- » Turbochargers Equipment
- » Process Drying Equipment

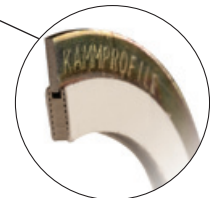
CONFIGURATIONS



Cut Gaskets
(4122-FC)



Corrugated Metal Gasket
(4122-CMG)



Kammprofile
(4122-KAMM)

NEW ADDITION

And now available in 40' x 40" sheet!

GARLOCK

an EnPro Industries family of companies

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THERMa-PUR™ Style 4122

TYPICAL PHYSICAL PROPERTIES

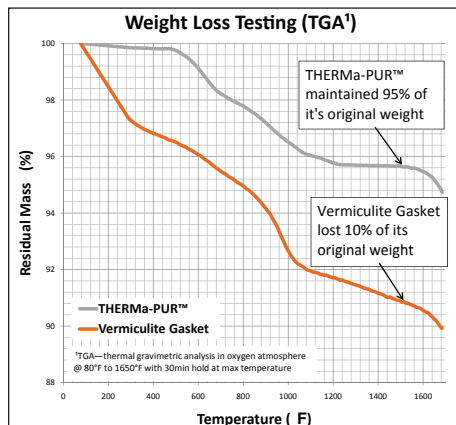
Temperature Continuous max.		+1832°F (1000°C)
Pressure ¹ psig (bar)	4122-FC	500 (34.5)
	4122-CMG	1000 (68.9)
	4122-KAMM	Equal to flange rating
P x T, max. ² psig x °F (bar x °C)	4122-FC	150,000 (5,100)
	4122-CMG	600,000 (21,500)
	4122-KAMM	Equal to flange rating
Typical Physical Properties for 4122-FC*:		
ASTM Test Method F36		
Compressibility, range, %		35-45
Recovery %		18
ASTM F38		
Creep Relaxation, %		25
ASTM F152		
Tensile, w/insert, psi (N/mm ²)		1,500 (10.34)
ASTM F1315		
Density, lbs./ft ³ (grams/cm ³)		95 (1.52)
ASTM D149		
Dielectric Properties, volts/mil.		100

Notes:

1. Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum P x T, consult Garlock Engineering.

2. P x T = psig x °F (bar x °C)

* 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 1/16" (1.6mm) gasket thickness unless otherwise mentioned.

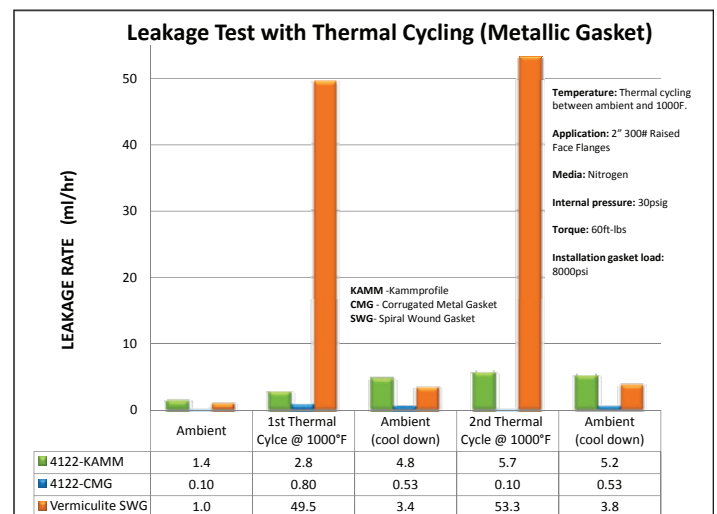
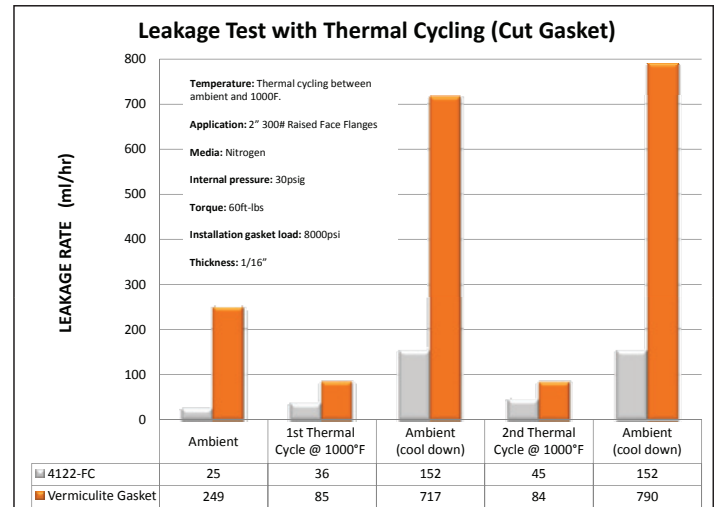


Low Weight Loss
THERMa-PUR™ proprietary formulation resists oxidation and has improved weight loss property by almost 2X when compared to other high temp organic based gaskets such as graphite and vermiculite

Out Performs

THERMa-PUR™ out performed vermiculite based gaskets in laboratory testing[†]. THERMa-PUR™ showed significantly less leakage even in extreme thermal cycling condition

[†]For test details, please contact Garlock Engineering



GSK 3:78

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