

## Technical Data Sheet

### MATERIAL PROPERTIES\*:      THERMa-PUR® Style 4122

THERMa-PUR® is designed for use in high temperature sealing applications. It is produced using an environmentally friendly solvent-free process and combines a unique formulation with Garlock's traditional quality and capable of working at a constant 1000° C.

### VALUE & 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.
- Hydrophobic Properties & Electrically Insulating (except spiral wound)
- 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
- Chemical Resistance
- Proprietary fomulation is resistant to a broad range of chemicals: Titanium Tetrachloride, molton salts and other heavy oxidizers
- Safer Handling (4122-FC) - Patent-pending fiber core makes gaskets safer to handle when compared to traditional high temperature gaskets with steel cores



**Asbestos Free**

IDEAL FOR » 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

### TYPICAL PHYSICAL PROPERTIES\*:

ASTM F36	Compressibility, average, %:	35-45
ASTM F36	Recovery, %:	18
ASTM F38	Creep Relaxation, %:	25
ASTM D1708	Tensile, w/insert, psi (N/mm <sup>2</sup> ):	1200 (8.3)
ASTM F1315	Density lbs/ft <sup>3</sup> (grams/cm <sup>3</sup> ):	85 (1.36)
ASTM F433	Dialectric Properties, volts/mil:	100

### SEALING CHARACTERISTICS\*

Notes: \* This is a general guide and should not be the sole means of selecting or rejecting this material. This data sheet covers basic information, for more comprehensive information, please contact us.



Certificate Number: 14352  
 ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

**Web: [www.epdm.co.uk](http://www.epdm.co.uk)**

**E-Mail: [Sales@epdm.co.uk](mailto:Sales@epdm.co.uk)**

### Contact

Telephone: +44 (0)1625 573971  
 FAX: +44 (0)1625 573250  
 Munsch & Co/PTM Ltd  
 Units AG2/3 Clarence Mill  
 Clarence Road, Bollington  
 Macclesfield, Cheshire  
 SK10 5JZ  
 United Kingdom