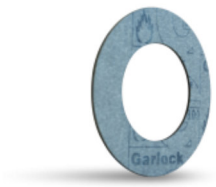
Munsch & Co
"Keeping You Working"

PTM
SEALING YOUR FUTURE

Asbestos Free

Technical Data Sheet

MATERIAL PROPERTIES*:	Garlock 9800
Colour:	Grey/Blue
Composition:	Carbon Fibres with a SBR binder
Fluid Services: (See Chem. Res. Guide)	Water, saturated steam[3] ,and inert gases
Temperature[1] , °F (°C)	
Minimum:	-100 (-75)
Continuous Maximum:	+650 (+343)
Maximum:	+900 (+482)
Pressure[1] , Maximum, psig (bar):	2000 (138)
P x T (max.)1 , psig x °F (bar x °C):	
1/32 and 1/16":	700,000 (25,000)
1/8"	350,000 (12,000)
Meets Specifications:	Fire Safe



TYPICAL PHYSICAL PROPERTIES*:

ASTM F36	Compressibility, average, %:	8
ASTM F36	Recovery, %:	55
ASTM F38	Creep Relaxation, %:	15
ASTM D1708	Tensile, Across Grain, psi (N/mm^2):	1800 (12)
ASTM F1315	Density lbs/ft^3 (grams/cm^3):	105 (1.68)
ASTM F433	Thermal Conductivity (K), W/m°K (Btu in/hr ft^2 °F):	0.50-0.60 (3.50-4.15)

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. ASTM test results in accordance with ASTM F-104; properties 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 us. Minimum temperature rating is conservative. 2 Minimum recommended assembly stress = 4,800psi.

	ASTM F37B – Fuel A	ASTM F37B – Nitrogen	DIN 3535 – Nitrogen
Gasket Load, psi (N/mm2):	500 (3.5)	3000 (20.7)	4640 (32)
Internal Pressure, psig (bar):	9.8 (0.7)	30 (2)	580 (40)
Leakage	0.30 ml/hr.	0.6 ml/hr	0.015 cc/Min

Preferred assembly stress = 6,000-10,000psi. Gasket thickness of 1/16" strongly preferred. Re torque the bolts/studs prior to pressurizing the assembly. For saturated steam above 150psig or superheated steam, consult us.

ISOQAR REGISTERED
UKAS MANAGEMENT SYSTEMS 0026
Certificate Number: 14352
ISO 9001

UK GASKET & SEALING ASSOCIATION

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

E-Mail: 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