Gaskets & Sealing Materials

Style 2500 Sheet Gasket Material

Quality ISO 9001

Style 2500 Sheet Gasket Material is a quality, general purpose sealing material that is constructed from a blend of aramid fibres with a nitrile binder. It can be used in temperatures ranging from -73ºC through to 205ºC and meets specification Australian Standards AS/NZS 4020-2018 up to 40ºC. This grade of gasket material is commonly used for automotive, water and wastewater infrastructure seals, and a host of other applications that require a reliable sealing material.

Technical Data:

Property:	Value:	
Colour	Green	
Construction	Aramid Fibers with a Nitrile Binder	
Temperature Range[1]	-73ºC to 205ºC continuous	
Tensile (across grain)	8.6 N/mm², ASTM F152	
Compressibility	7% average, ASTM F36	
Recovery	40%, ASTM F36	
Creep Relaxation	30%, ASTM F38	
Density	1.9 g/cm³, ASTM F1315	
Maximum Pressure[1]	70 bar	
PxT[1], max, 0.8 & 1.5mm thickness	8,600 bar x °C	
PxT[1], max, 3mm thickness	5,100 bar x °C	
Design Factors, ATSM F586:		
	≤1.5mm thick material	
"m" Factor	6.0[4]	
"y" Factor	13.8 N/mm²	
Dielectric Properties, ASTM D149, range volts/mil:		
	1.5mm thick material	
3 hours at 121ºC	350+[3]	
Sealing Characteristics*:		
	ASTM F37B Fuel A	ASTM F37B Nitrogen
Gasket Load	3.5 N/mm²	20.7 N/mm²
Internal Pressure	0.7 bar	2 bar
Leakage	1 ml/hr	2 ml/hr

Notes:

* 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

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 AG for advice. Minimum temperature rating is conservative.

3 Indicates current arced around and not through gasket. Dielectric higher than indicated.

4 This "M" value, based on ambient temperature leakage with nitrogen, is high. Field experience has shown that lower values would be workable in elevated temperatures. Consult AG for advice.

5 These styles are appropriate for steam service when adequately compressed. Minimum recommended assembly stress = 4,800psi. Preferred assembly stress = 6,000-10,000psi. Gasket thickness of 1.5mm strongly preferred. Retorque the bolts/studs prior to pressurizing the assembly. For saturated steam above 150psig or superheated steam, consult AG for advice.

Visit: www.agaus.com.au

Phone: 1300 098 060

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Specifications:

- Meets Australian Standards AS/NZS 4020-2018 up to 40ºC

Applications:

- Water Mains
- Aliphatic Hydrocarbons
- Hatch and Tank Seals
- Automotive Gaskets
- Saturated Steam[5]
- Fuel Lines
- Oil Seals

Availability:

Style 2500 Sheet Gasket Material is available in a range of thicknesses and is sold by the sheet or be cut to suit your requirements.

Associated Gaskets carry a large range of seals and gasket materials as well as thermal insulation and specialised electrical products. For more information on these products and many more, please visit our website or contact your nearest AG branch.