

### Composition

Aramid Fibers, Mineral Fibres, Inorganic Fillers And Special Acid Resistant Elastomers.



### Recommended Applications/ Industries

Premium Grade Gasketing Material Suitable For Aggressive Organic/ Inorganic Acids And Alkalies In Chemical And Fertilizer Industries. High Service Conditions.

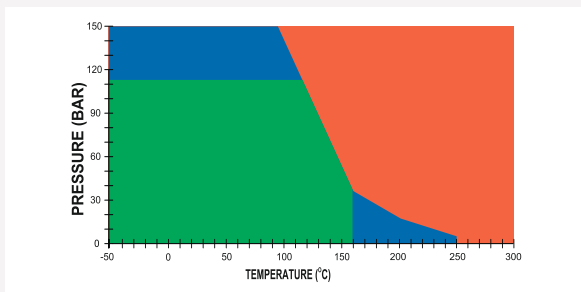


### AVAILABLE SIZES

Standard Sheet Size (mm)	1600x4500/1500x6000/1500x1600/ 1500x1500/1500 x 2000 / 1500 x 3000/ 2000 x 6000/3000 x 3000		
Thickness (mm)	0.40 to 6.00 for Non Metallic & 0.50 to 6.00 for Metallic		
Thickness Tolerances (mm)	Upto & including 0.50 = ± 0.05		
	Over 0.50, Upto & including 1.00 = ± 0.10		
	Over 1, Upto & including 2.00 = ± 0.15		
	Over 2.00, = ± 0.20		
Gasket Factors	Thickness (mm)	"M" Factor	"Y" Factor (N/mm²)
	0.80	3.50	44.80
	1.60	2.75	25.50
	3.20	2.00	11.00

#### Note:

- All colours are available with antistick coating.
- All metallic insert sheets are available with graphite finish.
- Metallic sheets are available in GI / SS mesh as required.



**P- T DIAGRAM** EN 1514-1, Type IBC, PN 40, DIN 28091-2/3.8, 2 mm

**General suitability** - Under common installation practices and chemical compatibility.

**Conditional suitability** - Appropriate measures ensure maximum performance for joint design and gasket installation. Technical consultation is recommended.

**Limited suitability** - Technical consultation is mandatory.

P-T diagrams indicate the permissible combination of internal pressure and service temperature which can be applied simultaneously for a given gasket depending on its material type, thickness, size and tightness class. Given the variety of gasket applications and service conditions, these values should only be regarded as guidance for the proper gasket assembly. In general, thinner gaskets exhibit better P-T properties.

### TECHNICAL INFORMATION

Compliance	BS 7531 Grade X
Category	Non Asbestos
Line Callout Number	ASTM104F711999A9E99L151M9
Colour	Blue
Style	Non Metallic

Parameters	Standard	Unit	Value
			Non Metallic
Density	DIN 28090-2	gms/cc	1.65-2.00
Tensile Strength	ASTM F 152	Mpa	12.0-15.0
Compressibility	ASTM-F 36 J	%	≥ 10
Recovery	ASTM-F 36 J	%	≥ 50
Ignition Loss	ASTM-F 495-99a	%	≤ 30
Gas Permeability (Sealability against nitrogen)	BS 7531	ml/min.	≤ 1.00
Residual Stress	BS 7531 DIN 52913	Mpa	~25
Flexibility @RT (Cracking, delaminating or distress)	BS 7531	---	OK
Oil Absorption 5 H @ 150°C (Thickness/Mass)	BS 7531	%	≤ 5 / ≤ 7
Fuel B Absorption 5 H @ RT (Thickness/Mass)	ASTM F 146	%	≤ 5 / ≤ 7
Water Absorption 5 H @ 100°C (Thickness)	BS 7531	%	≤ 5
Short Term Temperature	-----	°C	300
Continuous Service Temperature	-----	°C	250
Max. Continue Temperature with steam	-----	°C	180
Pressure	-----	bar	120

For detailed selection criteria, technical information, installation guideline and a complete listing of local sales offices please visit [www.spitmaan.com](http://www.spitmaan.com)

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