

TECHNICAL INFORMATION

Compliance	BS 7531 Grade Y
Category	Non Asbestos
Line Callout Number	ASTM104F711999A9E13L151M9
Colour	Green
Style	Non Metallic
	Metallic

Parameters	Standard	Unit	Value	
			Non Metallic	Metallic
Density	DIN 28090-2	gms/cc	1.65-2.00	1.65-2.00
Tensile Strength	ASTM F 152	Mpa	8.0-10.0	10.0-12.0
Compressibility	ASTM-F 36 J	%	≥ 10	≥ 10
Recovery	ASTM-F 36 J	%	≥ 50	≥ 50
Ignition Loss	ASTM-F 495-99a	%	≤ 35	≤ 35
Gas Permeability (Sealability against nitrogen)	BS 7531	ml/min.	≤ 1	≤ 1.00
Residual Stress	BS 7531 DIN 52913	Mpa	~22	~22
Flexibility @RT (Cracking, delaminating or distress)	BS 7531	---	OK	OK
Oil Absorption 5 H @ 150°C (Thickness/Mass)	BS 7531	%	≤ 10 / ≤ 12	≤ 10/≤ 10
Fuel B Absorption 5 H @ RT (Thickness/Mass)	ASTM F 146	%	≤ 10 / ≤ 12	≤ 10/≤ 10
Water Absorption 5 H @ 100°C (Thickness)	BS 7531	%	≤ 9	≤ 9
Short Term Temperature	-----	°C	400	415
Continuous Service Temperature	-----	°C	250	250
Max. Continue Temperature with steam	-----	°C	200	200
Pressure	-----	bar	80	90



Composition

Aramid Fibres, Mineral Fibres, Inorganic Fillers And NBR Elastomers.
Optional Steel Wire Mesh Insert On Request



Recommended Applications/ Industries

General Purpose Gasketing Material With Good Thermal And Chemical Properties. Suitable For Steam, Food, Water, Gas And Heating Systems, Dilute Acids And Alkalies. Medium Service Conditions.

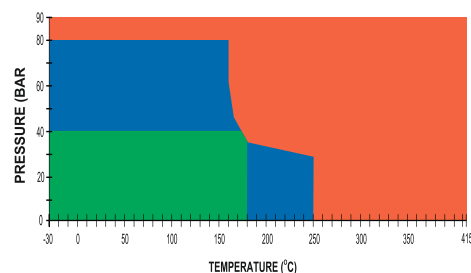


AVAILABLE SIZES

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.

For detailed selection criteria, technical information, installation guideline and a complete listing of local sales offices please visit www.spitmaan.com

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