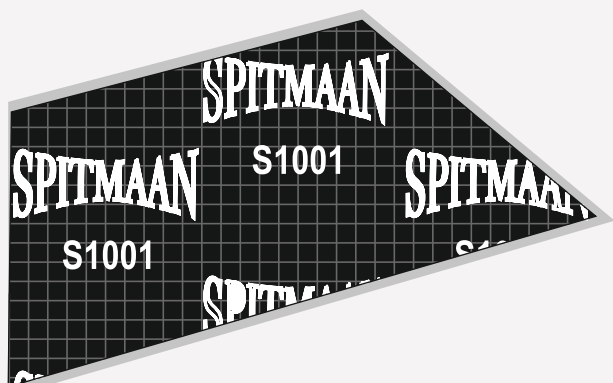




SINCE 1968

TOUGH
TO BEAT

S1001
Metallic



TECHNICAL INFORMATION

Compliance	IS 2712 Grade W/1	
Category	Asbestos	
Line Callout Number	ASTMF104F112009A9B0E00M9T6	
Colour	Metallic	Black Graphited



Suitable Industries/ Properties

Extremely demanding sealing applications for stability at High fluctuating temperatures and pressures. Would be on Excellent & Economical Choice for Sugar Plants/Boiler Engineers.

Parameters	Standard	Unit	Value
			Metallic
Density	IS 2712	g/cc	1.85-2.40
Tensile Strength	IS 2712	Kg/cm ²	≥ 325
Compressibility	IS 2712	%	7-10
Recovery	IS 2712	%	≥ 65
Ignition Loss	IS 2712	%	≤ 22
Stress Relaxation (Residual Stress)	IS 2712	N/mm ²	30
Flexibility @RT (Cracking, delamination or distress)	IS 2712	–	OK
Oil Absorption 5 H @ 150°C (Thickness/Mass)	IS 2712	%
Fuel B Absorption 22 H @ RT (Thickness/Mass)	IS 2712	%
Water Absorption 5 H @ 100°C (Thickness/Mass)	IS 2712	%	≤ 5
Recommended Maximum Temperature	--	°C	600
Recommended Maximum Pressure	–	Kg/cm ²	200

Note:

- All metallic insert sheets are available with graphite finish.



Product Description

Top Grade Gasket Sheet Material composed of High Grade Chrysotile Asbestos Fibres, Fillers and NBR Binders reinforced with close steel wire gauze insertion.



Appropriate/Suitable Media

Suitable for Steam, Oxygen, Petroleum Distillates, Hot Oils, Tar Oils, Hydrocarbons, Lyes etc. Motor Oil, Transmission and Hydraulic Fluids, Steam, Alkalies, Antifreeze & Refrigeration Oils. (High Service Conditions)

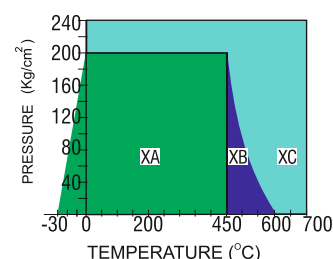


AVAILABLE SIZES

Standard Sheet Size (mm)	1600/1500 x 1500 1600/1500 x 2000 1600/1500 x 3000 1600/1500 x 6000 1525 x 1650 1525 x 5000 2000 x 6000 2000 x 2000 3000 x 3000 1000 x 1000 2000 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 1.00 Upto & including 2.00 = ± 0.15 Over 2.00 Upto & including 3.00 = ± 0.20 Over 3.00 Upto & including 4.00 = ± 0.30 Over 4.00 = ± 0.40

TYPICAL VALUES FOR A THICKNESS OF 1.60 mm

	Thickness (mm)	"M" Factor	"Y" Stress (Psi)
Gasket Factors	0.80	3.50	6500
	1.60	2.75	3700
	3.20	2.00	1600



PERFORMANCE CHART & RECOMMENDATION

Maximum Values of Temperature and Pressure should not be used simultaneously, they are given only as guidance. Maximum Temperature and Pressure depends not only on the type of gasket material but also on the application conditions such as thickness of material, nature of service medium, type of flange, surface stress etc.

- XA** General suitability using common installation practices under conditions of chemical compatibility
- XB** Maximum performance is ensured through appropriate measures for joint designs and gasket installations. Consultation is recommended.
- XC** Limited application area. Technical consultation is mandatory
- XD** Area not recommended

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

CHAMPION JOINTINGS PVT LTD.

15, Parsi Panchayat Road, Andheri East, Mumbai 400069 INDIA.

+91 22 40888000

CJPL@spitmaan.com

www.spitmaan.com

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