

SUPERLITE AF GP 150 NON ASBESTOS SHEET, GREEN

Compressed Non Asbestos Jointing Sheet · Green · 1.5 m x 1.5 m

BRAND: SUPERLITE

SKU: SWBM-011

1.5 M X 1.5 M

NON ASBESTOS

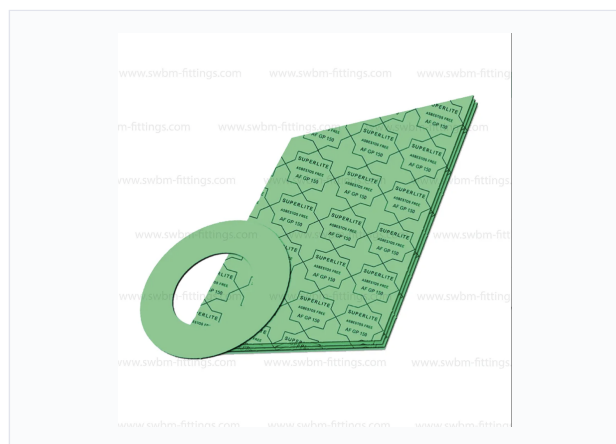


FIG. 1 | SUPERLITE AF GP 150 NON ASBESTOS SHEET, GREEN

PRODUCT OVERVIEW

Superlite AF GP 150 is a compressed non asbestos jointing sheet in green, made from aramid and mineral fibres bound with a nitrile rubber binder. It is the standard asbestos free replacement for red compressed asbestos fibre jointing on steam, water, oil and general process flanges.

The sheet is calendered under high pressure, so it resists creep under bolt load while still conforming to a machined flange face. It cuts cleanly with a die or a sharp blade, which makes it practical for gaskets made up on site during maintenance work.

Product type	Compressed non asbestos jointing sheet
Colour	Green
Brand	Superlite
Grade	AF GP 150
Sheet size	1.5 m x 1.5 m
Thickness range	0.5 mm to 3.0 mm

TECHNICAL SPECIFICATION

Fibre	Aramid and mineral fibre	Compressibility	10 per cent, typical
Binder	Nitrile rubber (NBR)	Recovery	50 per cent, typical
Nominal density	1.75 g/cm³	Creep relaxation	Low, holds bolt load under cycling
Classification	ASTM F104 line call out on request	Gasket cutting	ASME B16.21 or DIN flange tables
Finish	Calendered both faces, brand printed	Supply form	Full sheet, or gaskets cut to drawing
Country of origin	India	Asbestos content	Asbestos free

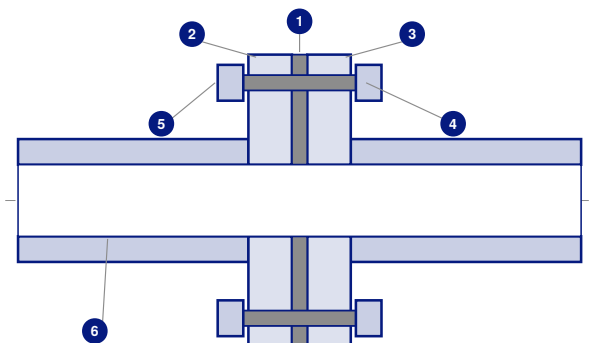
BILL OF MATERIALS


FIG. 2 | BOLTED FLANGE JOINT, SECTIONAL ARRANGEMENT

#	COMPONENT	MATERIAL
1	Compressed non asbestos jointing sheet	Aramid fibre, NBR binder
2	Flange, upstream	Carbon or stainless steel
3	Flange, downstream	Carbon or stainless steel
4	Stud bolt	ASTM A193 B7 or equivalent
5	Hex nut	ASTM A194 2H or equivalent
6	Pipe bore	Gasket bore to match, no protrusion

Item 1 only is supplied under this reference, as full sheets or as gaskets cut to your drawing. Items 2 to 6 are shown to illustrate the assembled joint and are ordered separately. Gasket bore must match the pipe bore so that no material protrudes into the flow.

DIMENSIONS AND WEIGHTS

THICKNESS (MM)	SHEET / ROLL SIZE	AREA (M ²)	MASS PER M ² (KG)	MASS PER SHEET / ROLL (KG)
0.5	1.5 m x 1.5 m	2.25	0.88	2.0
0.8	1.5 m x 1.5 m	2.25	1.40	3.2
1	1.5 m x 1.5 m	2.25	1.75	3.9
1.5	1.5 m x 1.5 m	2.25	2.62	5.9
2	1.5 m x 1.5 m	2.25	3.50	7.9
3	1.5 m x 1.5 m	2.25	5.25	11.8

Mass is calculated from a nominal density of 1.75 g/cm³. Mass is calculated from the nominal density of the compound and is indicative only. Actual weight varies with batch, filler loading and thickness tolerance. Thickness tolerance is typically ±10 per cent unless otherwise agreed. Sheet and roll sizes are nominal.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SWBM-011
Sheet size	1.5 m x 1.5 m
Thickness	0.5, 0.8, 1.0, 1.5, 2.0, 3.0 mm
Colour	Green
Supply form	Full sheet, or gaskets cut to drawing
Order example	SWBM-011 / 1.5 MM / 1.5 M X 1.5 M / GREEN

Stock held in Dubai for fast despatch across the UAE and GCC. Cutting to customer drawing, ring and full face gaskets to ASME B16.5 and DIN flange tables are available from our fabrication service. Contact our sales desk for pricing, availability, project quantities and certification requirements.



PRODUCT DATA SHEET

SUPERLITE AF GP 150 NON ASBESTOS SHEET, GREEN
Ref. SWBM-011 | Rev. 01

PRESSURE AND TEMPERATURE

Continuous temperature	200°C, indicative
Peak temperature	400°C, indicative
Maximum pressure	100 bar, indicative
P x T factor	Confirm against manufacturer data
Media	Steam, water, oil, mild chemicals

Temperature and pressure figures are typical for the compressed non asbestos jointing class and are given for guidance only. They are not manufacturer verified figures for this grade. The safe limit is a function of pressure and temperature combined, not of either taken alone. Obtain the manufacturer P x T chart before specifying this sheet on a critical duty.

TYPICAL APPLICATIONS

- Flange gaskets on steam, water and process lines
- Pump and compressor casings
- Heat exchanger and vessel covers
- Valve bonnet and manway joints
- Oil, fuel and lubricating circuits
- General plant maintenance and shutdown work

COMPLIANCE AND QUALITY

- Asbestos free, aramid fibre with nitrile rubber binder
- Direct replacement for compressed asbestos fibre jointing
- Calendered both faces, cuts cleanly by die or blade
- Low creep relaxation, holds bolt load under thermal cycling
- Gaskets can be cut to ASME B16.21 or DIN flange tables
- ASTM F104 line call out available on request
- Manufacturer test certificate available on request

INSTALLATION AND OPERATION

- Store flat in a dry place, do not stand sheets on edge
- Cut gaskets with a sharp die or blade, keep the bore clean and true
- Match the gasket bore to the pipe bore, do not let material intrude into the flow
- Clean and degrease the flange faces, remove all old gasket material
- Tighten bolts in a crossing pattern in at least three stages to the specified torque
- Retorque after the first thermal cycle where the service permits

COMPANY

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Brand: Superlite

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