

RUBBER SHEET, INSERTION

Fabric Reinforced Rubber Sheet · Roll 1.2 m x 10 m

SKU: SWBM-015

1.2 M X 10 M

INSERTION



FIG. 1 | RUBBER SHEET, INSERTION

PRODUCT OVERVIEW

Insertion rubber sheet is a commercial rubber sheet reinforced with one or more fabric plies vulcanised into the section. The fabric carries tensile load and resists blow out, so the sheet takes a higher bolt load than plain rubber of the same thickness.

This reference covers the general insertion range, with the ply count selected to suit the thickness and the duty. Where a specific build is required, order the one ply or two ply reference instead so that the construction is fixed on the order.

Product type	Fabric reinforced rubber sheet
Reinforcement	Fabric ply, count to order
Polymer	SBR / NR blend
Hardness	65 ± 5 Shore A
Roll size	1.2 m x 10 m
Thickness range	3 mm to 10 mm

TECHNICAL SPECIFICATION

Polymer	SBR / NR blend	Water and air	Good
Reinforcement	Fabric ply, count to order	Blow out resistance	Good, fabric reinforced
Hardness	65 ± 5 Shore A	Ply count	One, two or three, to order
Nominal density	1.55 g/cm³	Ozone and weather resistance	Poor
Finish	Smooth both faces	Oil and grease resistance	Poor, do not use
Colour	Black	Not suitable for	Oils, fuels, solvents, outdoor exposure

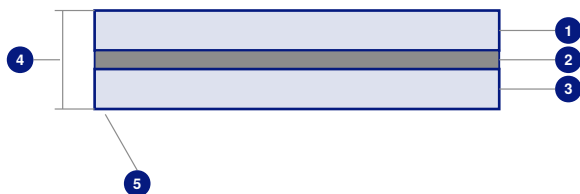
BILL OF MATERIALS


FIG. 2 | SHEET CONSTRUCTION, ENLARGED SECTION

#	COMPONENT	MATERIAL
1	Rubber facing, upper	SBR / NR blend
2	Fabric ply	Polyester or cotton weave
3	Rubber facing, lower	SBR / NR blend
4	Overall sheet thickness	3 mm to 10 mm
5	Trimmed edge	Cut square, ply visible

The drawing shows a single ply construction. Ply count is selected to suit the thickness and the duty, and two and three ply builds are available. Confirm the ply count required when ordering, since it affects both the bolt load capacity and the minimum practical gasket bore.

DIMENSIONS AND WEIGHTS

THICKNESS (MM)	SHEET / ROLL SIZE	AREA (M ²)	MASS PER M ² (KG)	MASS PER SHEET / ROLL (KG)
3	1.2 m x 10 m roll	12	4.65	55.8
4	1.2 m x 10 m roll	12	6.20	74.4
5	1.2 m x 10 m roll	12	7.75	93.0
6	1.2 m x 10 m roll	12	9.30	111.6
8	1.2 m x 10 m roll	12	12.40	148.8
10	1.2 m x 10 m roll	12	15.50	186.0

Mass is calculated from a nominal density of 1.55 g/cm³ for the composite, including the fabric plies. 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-015
Roll size	1.2 m x 10 m
Thickness	3, 4, 5, 6, 8, 10 mm
Reinforcement	Fabric ply, count to order
Supply form	Full roll, cut length, or gaskets cut to drawing
Order example	SWBM-015 / 5 MM / 1.2 M X 10 M

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.



SERVICE CONDITIONS

Temperature range	-20°C to +70°C
Short duration peak	+80°C, indicative
Hardness	65 ± 5 Shore A
Bolt load capacity	Higher than plain rubber sheet
Oils and greases	Not resistant, avoid

Figures are typical for a fabric reinforced SBR and natural rubber sheet and are given for guidance only. The fabric carries tensile load and resists blow out, but it does not make the sheet oil resistant or raise its temperature limit. Do not cut the sheet so thin that a fabric ply is exposed at the gasket bore.

TYPICAL APPLICATIONS

- Flange gaskets on water and air lines
- Pump and valve covers under high bolt load
- Manway and inspection hatch seals
- Tank and chute lining, wear protection
- Vibration and packing pads
- General maintenance and shutdown work

COMPLIANCE AND QUALITY

- Fabric reinforced rubber sheet, higher bolt load capacity than plain sheet
- Reinforcement resists blow out and stretching under pressure
- Good abrasion resistance for lining and wear duties
- Gaskets can be cut to ASME B16.21 or DIN flange tables
- Compound certificate available on request
- Not resistant to oils, fuels or solvents
- Not suitable for prolonged outdoor or ozone exposure

INSTALLATION AND OPERATION

- Store flat or rolled, away from direct sunlight, ozone sources and heat
- Cut gaskets with a sharp blade or die, avoid tearing the edge
- Match the gasket bore to the pipe bore, do not let material intrude into the flow
- Clean and degrease the flange faces before assembly
- Tighten bolts in a crossing pattern in at least three stages
- Do not retorque a rubber gasket after the joint has been in service

COMPANY

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