

EPDM RUBBER GASKET SHEET

EPDM Rubber Sheet · Roll 1.2 m x 10 m

SKU: SWBM-018

1.2 M X 10 M

EPDM

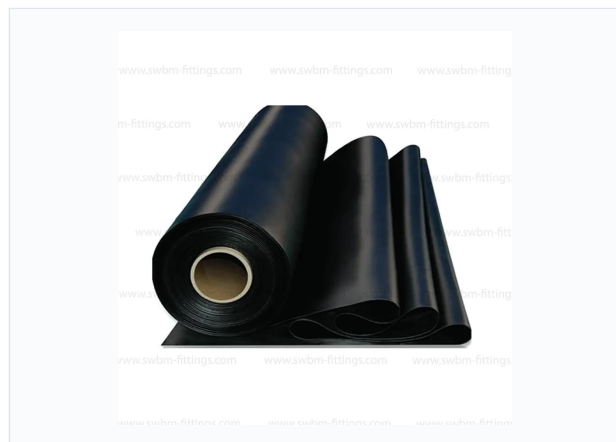


FIG. 1 | EPDM RUBBER GASKET SHEET

PRODUCT OVERVIEW

EPDM gasket sheet is an ethylene propylene diene compound supplied in rolls, used for gaskets and seals on water, steam and weather exposed duties. It is the standard choice for potable and chilled water flanges, and it handles hot water and low pressure steam far better than a natural rubber sheet.

EPDM has excellent resistance to ozone, ultraviolet light and ageing, so it stays flexible outdoors for years. It must not be used with mineral oils, fuels or greases, which swell and destroy the compound.

Product type	EPDM rubber gasket sheet
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Polymer	Ethylene propylene diene (EPDM)
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Hardness	65 ± 5 Shore A
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Colour	Black
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Roll size	1.2 m x 10 m
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Thickness range	1.5 mm to 10 mm
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TECHNICAL SPECIFICATION

Polymer	EPDM
Hardness	65 ± 5 Shore A
Nominal density	1.35 g/cm³
Tensile strength	7 MPa minimum, typical
Elongation at break	300 per cent, typical
Finish	Smooth both faces

Ozone and weather resistance	Excellent
Hot water and steam	Good
Acid and alkali resistance	Good, dilute
Potable water grades	Available on request
Oil and grease resistance	Poor, do not use
Not suitable for	Mineral oils, fuels and greases

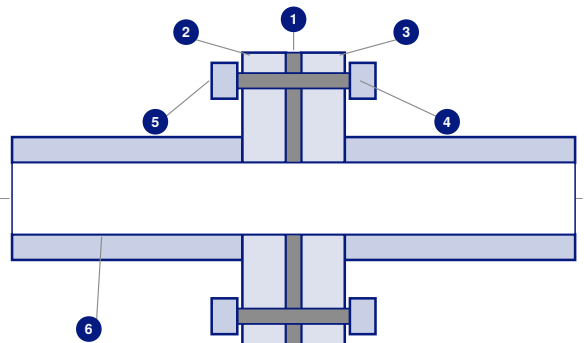
BILL OF MATERIALS


FIG. 2 | BOLTED FLANGE JOINT, SECTIONAL ARRANGEMENT

#	COMPONENT	MATERIAL
1	Gasket, cut from sheet (supplied item)	EPDM, 65 Shore A
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 sheet material 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)
1.5	1.2 m x 10 m roll	12	2.03	24.3
2	1.2 m x 10 m roll	12	2.70	32.4
3	1.2 m x 10 m roll	12	4.05	48.6
4	1.2 m x 10 m roll	12	5.40	64.8
5	1.2 m x 10 m roll	12	6.75	81.0
6	1.2 m x 10 m roll	12	8.10	97.2
8	1.2 m x 10 m roll	12	10.80	129.6
10	1.2 m x 10 m roll	12	13.50	162.0

Mass is calculated from a nominal density of 1.35 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-018
Roll size	1.2 m x 10 m
Thickness	1.5, 2, 3, 4, 5, 6, 8, 10 mm
Material	EPDM, 65 Shore A
Supply form	Full roll, cut length, or gaskets cut to drawing
Order example	SWBM-018 / 3 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.



PRODUCT DATA SHEET

EPDM RUBBER GASKET SHEET

Ref. SWBM-018 | Rev. 01

SERVICE CONDITIONS

Temperature range	-40°C to +120°C
Short duration steam	+150°C, indicative
Hardness	65 ± 5 Shore A
Ozone and weathering	Excellent resistance
Oils and greases	Not resistant, avoid

Figures are typical for a general purpose EPDM compound and are given for guidance only. EPDM is attacked by mineral oils, fuels and greases and must not be used on those media. Where the sheet is to be used on potable water, request a compound certified to the relevant drinking water approval before ordering.

TYPICAL APPLICATIONS

- Flange gaskets and cut sealing washers
- Pump, valve and manway covers
- Vibration pads and machinery mountings
- Tank and vessel lining, splash guards
- Door and hatch seals
- General maintenance and workshop sealing

COMPLIANCE AND QUALITY

- EPDM compound, excellent ozone and ultraviolet resistance
- Good performance on hot water and low pressure steam
- Good resistance to dilute acids and alkalis
- Potable water approved grades available on request
- Gaskets can be cut to ASME B16.21 or DIN flange tables
- Compound certificate available on request
- Not for use with mineral oils, fuels or greases

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

Sunel Wala Building Materials

Trading Co. LLC (SWBM)

Dubai, United Arab Emirates

SALES ENQUIRIES

info@swbm-fittings.com

Tel: +971 4 238 5652

Mobile / WhatsApp: +971 50 748 1772

ONLINE

www.swbm-fittings.com

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