NEOPRENE RUBBER SHEET

Chloroprene Rubber Sheet · Roll 1.2 m x 10 m

SKU: SWBM-019 | 1.2 M X 10 M | NEOPRENE (CR)



FIG. 1 | NEOPRENE RUBBER SHEET

PRODUCT OVERVIEW

Neoprene rubber sheet is a chloroprene compound supplied in rolls, used for gaskets, pads and general sealing where the material has to cope with weather, ozone and moderate oil exposure. It is the usual step up from commercial rubber sheet when a joint sits outdoors or sees occasional contact with oil or grease.

The sheet is smooth on both faces and cuts cleanly with a blade or die. It holds its properties well over time and does not perish in sunlight the way natural rubber does, which makes it a reliable choice for exposed plant and rooftop installations.

Product type	**Chloroprene rubber sheet**
Polymer	**Neoprene (CR)**
Hardness	**60 ± 5 Shore A**
Colour	**Black**
Roll size	**1.2 m x 10 m**
Thickness range	**1.5 mm to 10 mm**

TECHNICAL SPECIFICATION

Polymer	**Chloroprene (CR)**
Hardness	**60 ± 5 Shore A**
Nominal density	**1.45 g/cm³**
Tensile strength	**5 MPa minimum, typical**
Elongation at break	**250 per cent, typical**
Finish	**Smooth both faces**

Ozone and weather resistance	**Good**
Oil and grease resistance	**Moderate**
Flame resistance	**Self extinguishing, typical**
Water resistance	**Good**
Acid and alkali resistance	**Moderate, dilute only**
Not suitable for	**Aromatic and chlorinated solvents**

BILL OF MATERIALS

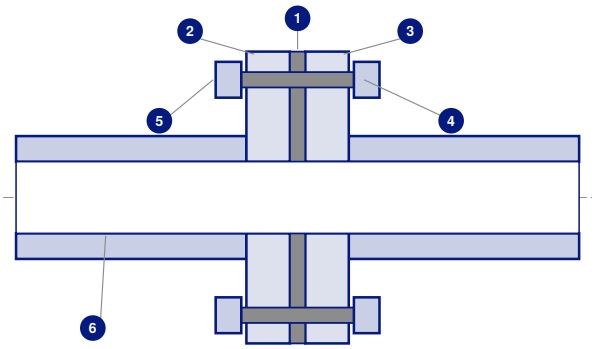


FIG. 2 | BOLTED FLANGE JOINT, SECTIONAL ARRANGEMENT

#	COMPONENT	MATERIAL
1	Gasket, cut from sheet (supplied item)	Neoprene (CR), 60 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 (M²)	MASS PER M² (KG)	MASS PER SHEET / ROLL (KG)
1.5	1.2 m x 10 m roll	12	2.17	26.1
2	1.2 m x 10 m roll	12	2.90	34.8
3	1.2 m x 10 m roll	12	4.35	52.2
4	1.2 m x 10 m roll	12	5.80	69.6
5	1.2 m x 10 m roll	12	7.25	87.0
6	1.2 m x 10 m roll	12	8.70	104.4
8	1.2 m x 10 m roll	12	11.60	139.2
10	1.2 m x 10 m roll	12	14.50	174.0

Mass is calculated from a nominal density of 1.45 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-019
Roll size	1.2 m x 10 m
Thickness	1.5, 2, 3, 4, 5, 6, 8, 10 mm
Material	Neoprene (CR), 60 Shore A
Supply form	Full roll, cut length, or gaskets cut to drawing
Order example	**SWBM-019 / 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.

SERVICE CONDITIONS

Temperature range	**-30°C to +100°C**
Short duration peak	**+120°C, indicative**
Hardness	**60 ± 5 Shore A**
Ozone and weathering	**Good resistance**
Oils and greases	**Moderate resistance**

Figures are typical for a general purpose neoprene compound and are given for guidance only. Chemical compatibility should be checked against the actual media before the sheet is used on a process duty. Confirm the compound specification with SWBM where a certified property is required.

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

- Chloroprene rubber, good ozone and weather resistance
- Moderate resistance to oils and greases
- Self extinguishing compound, typical for the class
- Smooth calendered faces, cuts cleanly by die or blade
- Gaskets can be cut to ASME B16.21 or DIN flange tables
- Compound certificate available on request
- Not for use with aromatic or chlorinated solvents

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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