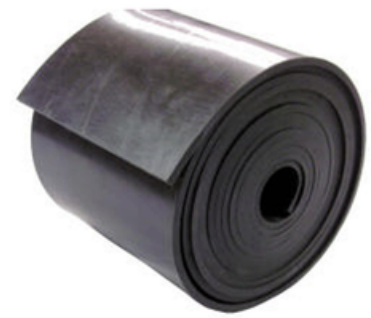


Syntholine supply a comprehensive range of rubber sheetings. From basic commercial compounds to highly technical sheets to match stringent customer specifications. We also develop custom compounds for our customers.



### STORAGE INFORMATION

- Storage conditions should be maintained according to DIN7716 standards.
- Products must be stored in cool, dry places with temperature ranging between 10°C / 20°C, sheltered from the sun and free from ozone, etc.
- Avoid contact with hydrocarbons, solvents, acids and alkalies.

### FORMS

- Rolls
- Tiles
- Plates
- Cut lengths, strips and custom shapes are available upon request

### POLYMER SELECTION CRITERIA

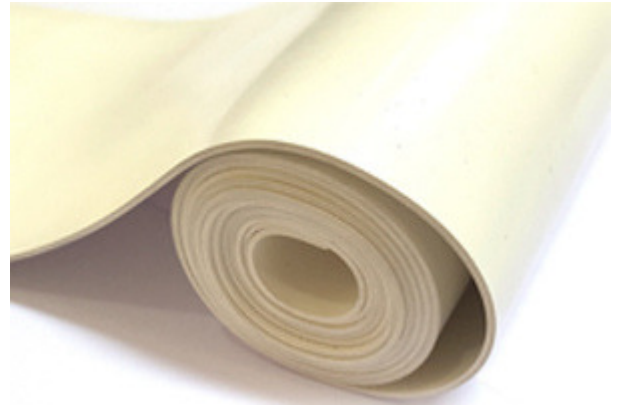
Application		Natural / SBR	Neoprene	Nitrile	EPDM	Butyl	Hypalon	Silicon	Vitone
Petrol		Poor	Poor	Good	Poor	Poor	Poor	Poor	Excellent
Lubricating Oils		Poor	Fair	Good	Poor	Poor	Fair	Good	Excellent
Acids		Fair	Fair	Good	Excellent	Excellent	Excellent	Fair	Good
Alkali		Fair	Fair	Fair	Good	Excellent	Excellent	Fair	Fair
Hydraulic Fluid	Phosphates	Poor	Poor	Poor	Good	Good	Fair	Good	Poor
	Silicates	Poor	Good	Good	Fair	Fair	Good	Poor	Good
Abrasion Resistance		Excellent	Good	Good	Good	Good	Good	Fair	Good
Tear Strength		Good	Good	Good	Fair	Good	Fair	Poor	Fair
Impact Resistance		Excellent	Good	Fair	Good	Good	Good	Fair	Fair
Resilience		Excellent	Good	Good	Good	Fair	Good	Poor	Fair
Impermeable to Gases		Fair	Good	Good	Good	Excellent	Excellent	Poor	Excellent
Compression Set		Good	Good	Good	Fair	Fair	Fair	Good	Good

### NOTE

- The information, figures, calculations, test values and data contained in this document - which we use to best advise our customers - correspond to current engineering standards. This data is the result of many years of tests and trials. As individual operating conditions influence the application of each sheet, the information in this catalogue can only be used as a rough guideline. In the individual case, it is the sole responsibility of the customer to evaluate requirements, in particular, if specified properties are sufficient for use.
- As we cannot have any influence over how our products are used, they are used entirely at the users' own risk. We do of course guarantee the quality of our products according to general sales conditions, available on request. Subject to change and error. The mentioned properties are guiding value



SBR has good physical properties including good resistance to abrasion. However it is not recommended for use with oil, petroleum based products and organic solvent



## SIZE INFORMATION

- Thickness Rang(mm): 0.5~25
- Width Range(m): 1~1.5
- Length Range(m): 1~20
- Colour:  
Black~Beige~Honey~Grey~Red~Pink

## APPLICATION

- Seals and gaskets
- Matting for protection purpose
- Skirt-board sheets
- Shot blasting sheets
- General Usage

## BASIC INFORMATION

- Temperature range (°C): -20~+80
- Tensile strength range (Mpa): 1.5~20
- Elongation at break range (%): 350~800
- Specific gravity (kg/cm<sup>3</sup>): 0.98~2.10
- Hardness range (SHORE A): 35~75
- Compression set range\*: 30~55
- Abrasion resistant range: 150~350

## FEATURE

- Good abrasion- resistance
- Good tensile strength
- Anti-aging property

## GRADE

- Commercial Grade
- Abrasion Resistant Rubber Sheets
- SBR Food Grade Rubber Sheets
- Multi Purpose Rubber Sheets

## NOTE

- Sheets can be supplied with 1 or 2 ply insertion/s in Cotton, Nylon, Polyester, Glass Fibre etc.
- One side or both side smooth or fabric finish can be supplied.
- Specifications are subject to change without notice.
- \* Compression Set at 70°C for 22 hrs.

Natural rubber has excellent physical properties such as abrasion and low-temperature resistance. Poor resistance to petroleum based fluids. Used for gaskets and seals in water and low acid applications.



## SIZE INFORMATION

- Thickness Rang(mm): 0.5~25
- Width Range(m): 1~1.5
- Length Range(m): 1~20
- Colour: Black~Blue~Orange~Red~Pink

## APPLICATION

- Seals and gaskets
- Matting for protection purpose
- Handling Slurries
- General Usage

## BASIC INFORMATION

- Temperature range (°C): -30~+75
- Tensile strength range (Mpa): 21~26
- Elongation at break range (%): 450~810
- Specific gravity (kg/cm<sup>3</sup>): 0.98~1.15
- Hardness range (SHORE A): 40~70
- Compression set range\*: 15~25
- Abrasion resistant range: 90~120

## FEATURE

- Good abrasion- resistance
- Good tear- resistance
- Flexible Hardness
- Excellent elasticity

## GRADE

- High Abrasion Resistant Rubber Sheets

## NOTE

- Sheets can be supplied with 1 or 2 ply insertion/s in Cotton, Nylon, Polyester, Glass Fibre etc.
- One side or both side smooth or fabric finish can be supplied.
- Specifications are subject to change without notice.
- \* Compression Set at 70°C for 22 hrs.

Nitrile (NBR) has Excellent resistance to petroleum based fluids. It is suitable for use with alcohols, minerals oils and animal and vegetable fats and provided excellent resistance to petroleum based fluids.



## SIZE INFORMATION

- Thickness Rang(mm): 0.5~25
- Width Range(m): 1~1.5
- Length Range(m): 1~20
- Colour: Black~Off White (for FG)

## APPLICATION

- Seals and gaskets
- Matting for protection purpose
- Easy adhesive to metal
- Special requirements workshop

## BASIC INFORMATION

- Temperature range (°C): -30~+120
- Tensile strength range (Mpa): 4.9~10
- Elongation at break range (%): 200~350
- Specific gravity (kg/cm<sup>3</sup>): 1.35~1.5
- Hardness range (SHORE A): 60~70
- Compression set range\*: 30~40
- Abrasion resistant range: 250~300

## FEATURE

- Excellent abrasion-resistance
- Anti-aging property
- High tear-resistance
- High temperature resistance

## GRADE

- Special Grade Nitrile Rubber Sheets
- Food Grade Rubber Sheet

## NOTE

- One side or both side smooth or fabric finish can be supplied.
- Specifications are subject to change without notice
- \* Compression Set at 70°C for 22 hrs.

Neoprene (CR) has Flame retarding, is generally used as a barrier or gasket material and in industrial applications such as corrosion-resistant coatings. It can also be used inside rooms for blasting and to offset impact.



## SIZE INFORMATION

- Thickness Rang(mm): 0.5~25
- Width Range(m): 1~1.5
- Length Range(m): 1~20
- Colour: Black

## APPLICATION

- Seals and gaskets
- Matting for protection purpose
- General Usage

## BASIC INFORMATION

- Temperature range (°C): -25~+120
- Tensile strength range (Mpa): 3.9~10
- Elongation at break range (%): 225~400
- Specific gravity (kg/cm<sup>3</sup>): 1.35~1.45
- Hardness range (SHORE A): 55~70
- Compression set range\*: 40~50

## FEATURE

- Excellent Flame retarding
- Good weather resistance
- Good physical properties

## GRADE

- Commercial Grade Rubber Sheets
- Flame Retardant Grades
- Custom Compound Rubber Sheet

## NOTE

- One side or both side smooth or fabric finish can be supplied.
- Specifications are subject to change without notice
- \* Compression Set at 70°C for 22 hrs.



EPDM has excellent ozone, chemical and ageing characteristics. It that can be used as a gasket seal, flooring, table top and in machine and auto-repair workshops. It is also suited to marine applications, where acids or chemicals are present and exposure to natural elements is high.



## SIZE INFORMATION

- Thickness Rang(mm): 0.5~25
- Width Range(m): 1~1.5
- Length Range(m): 1~20
- Colour: Black and off-white (for FG)

## APPLICATION

- Seals and gaskets
- Matting for protection purpose
- Table top
- Outdoor Use
- Special requirements workshop

## BASIC INFORMATION

- Temperature range (°C): -25~+130
- Tensile strength range (Mpa): 4.9~14
- Elongation at break range (%): 250~400
- Specific gravity (kg/cm<sup>3</sup>): 1.15~1.35
- Hardness range (SHORE A): 50~70
- Compression set range\*: 8~45

## FEATURE

- Excellent Ozone
- Excellent chemical-resistance
- Anti-aging property
- Good water-resistance

## GRADE

- Commercial Grade Rubber Sheets
- Special Grade EPDM Rubber Sheet
- Food Grade Rubber Sheet

## NOTE

- One side or both side smooth or fabric finish can be supplied.
- Specifications are subject to change without notice
- \* Compression Set at 70°C for 22 hrs.

Butyl has excellent resistance to ozone, oxidation and sunlight. It has a very low resilience, which makes it ideal for vibration damping and shock absorption applications but offers a moderate resistance to abrasion and compression set.



## SIZE INFORMATION

- Thickness Rang(mm): 0.5~25
- Width Range(m): 1~1.5
- Length Range(m): 1~20
- Colour: Black

## APPLICATION

- Seals and flange gaskets
- Lining of pipes and tanks
- Transfer and joining sleeves
- Anti-vibration strips and pads
- Insulating strip & Isolation barriers
- Acid proof Splash guards and covers

## BASIC INFORMATION

- Temperature range (°C): -40~+125
- Tensile strength range (Mpa): 5.8~12.7
- Elongation at break range (%): 250~550
- Specific gravity (kg/cm<sup>3</sup>): 1.10~1.35
- Hardness range (SHORE A): 55~65
- Compression set range\*: 25~40

## FEATURE

- Good Ozone resistance
- High temperature resistance
- Good Chemical resistance to acids and alkalis.
- Good vibration damper

## GRADE

- Premium Grade Rubber Sheets

## NOTE

- One side or both side smooth or fabric finish can be supplied.
- Specifications are subject to change without notice
- \* Compression Set at 70°C for 22 hrs.

Hypalon(CSM) Rubber sheet has high-temperature resistance and chemical resistance to acids and alkalis. CSM (Hypalon) Rubber Sheet has good physical and flame resistant properties, making it suitable for electrical sealing applications.



## SIZE INFORMATION

- Thickness Rang(mm): 0.5~25
- Width Range(m): 1~1.5
- Length Range(m): 1~10
- Colour: Black

## APPLICATION

- Seals and flange gaskets
- Lining of pipes and tanks
- Transfer and joining sleeves
- Insulating strip & Isolation barriers
- Acid proof Splash guards and covers

## BASIC INFORMATION

- Temperature range (°C): -35~+140
- Tensile strength range (Mpa): 6.8~15.5
- Elongation at break range (%): 350~400
- Specific gravity (kg/cm<sup>3</sup>): 1.30~1.40
- Hardness range (SHORE A): 60~70
- Compression set range\*: 35~40

## FEATURE

- Good Ozone resistance
- High temperature resistance
- Good Chemical resistance to acids and alkalis.
- Good Flame resistance

## GRADE

- Premium Grade Rubber Sheets

## NOTE

- One side or both side smooth or fabric finish can be supplied.
- Specifications are subject to change without notice
- \* Compression Set at 70°C for 22 hrs.





Silicon has excellent heat, ozone, weathering resistance. Good temperature range. It offers reasonable resistance to weak acids and alkalis and mineral oils. It has very good electrical properties.



## SIZE INFORMATION

- Thickness Rang(mm): 0.5~25
- Width Range(m): 1~1.5
- Length Range(m): 1~10
- Colour:  
Translucent~White~Red~Blue(FG)

## APPLICATION

- Seals and gaskets
- Matting for protection in food, medical, chemistry industry
- General Usage

## BASIC INFORMATION

- Temperature range (°C): -50~+266
- Tensile strength range (Mpa): 4.9~9.8
- Elongation at break range (%): 150~300
- Specific gravity (kg/cm<sup>3</sup>): 1.16~1.35
- Hardness range (SHORE A): 50~70
- Compression set range\*: 40~45

## FEATURE

- Excellent heat, ozone, resistance
- Excellent weathering resistance
- Good Oil-resistance properties
- Very good electrical properties
- Non-toxic

## GRADE

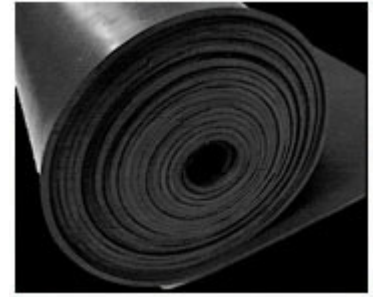
- Premium Grade Rubber Sheets

## NOTE

- One side or both side smooth or fabric finish can be supplied.
- Specifications are subject to change without notice
- \* Compression Set at 70°C for 22 hrs.



Viton rubber has excellent chemical and heat resistance. Outstanding ozone, oxidation, weathering resistance and good self-extinguishing properties.



## SIZE INFORMATION

- Thickness Rang(mm): 0.5~25
- Width Range(m): 1~1.5
- Length Range(m): 1~10
- Colour: Black

## APPLICATION

- Seals and gaskets
- Matting for protection purpose
- Table top
- Special requirements workshop

## BASIC INFORMATION

- Temperature range (°C): -30~+275
- Tensile strength range (Mpa): 4.9~5.8
- Elongation at break range (%): 165~200
- Specific gravity (kg/cm<sup>3</sup>): 1.85~1.95
- Hardness range (SHORE A): 70~75
- Compression set range\*: 45

## FEATURE

- Excellent Ozone
- Excellent chemical-resistance
- Anti-aging property
- Good high temperature-resistance
- Acid & Alkali resistance

## GRADE

- Premium Grade Rubber Sheets

## NOTE

- One side or both side smooth or fabric finish can be supplied.
- Specifications are subject to change without notice
- \* Compression Set at 70°C for 22 hrs.