



# Sheet Rubber Products for the Mining Industry

**Mining and Mineral Processing**  
Sheet Rubber Products for the Mining Industry  
[www.trelleborg.com/fluidhandling](http://www.trelleborg.com/fluidhandling)



# POLYMER TECHNOLOGY

**Trelleborg are specialists in polymer technology and are one of the world's leading suppliers of high grade, quality rubber sheeting.**

**Trelleborg products are used world wide, in a range of applications throughout many market sectors. The focus for this catalogue is the mining and mineral processing industry.**



### TRELLEBORG RUBBER SHEETING FOR THE MINING INDUSTRY

Because of our continued investment in state of the art production technology, Trelleborg customers can expect products of the highest level of quality and consistency.






The products featured in this catalogue are sourced from our global production facilities and held in stock at our warehouses in Brisbane and Perth.

Sheet rubber grades are available in a range of finishes to support their application to steel surfaces. Finishes include smooth, buffed or bonding layer. Please consult with Trelleborg for the type of rubber finish to suit the application.

Cold bonding solutions and adhesives:

- MP2100 metal primer.
- Bondline™ sheet rubber etch and activator.
- Bondline™ sheet rubber adhesives.

Our quality and manufacturing procedures are strictly in accordance with ISO 9001 and ISO 14001 and Trelleborg's extensive Research and Development facilities are available to investigate new products and materials, to meet the needs of our customers.

	<b>GOLDLINE™ PREMIUM 38</b>
	<b>BLACKROCK PLUS</b>
	<b>BUTYLINE</b>
	<b>NITRALINE NBR 50</b>
	<b>COLD BONDING SOLUTIONS AND ADHESIVES</b>

**Trelleborg Rubber Sheeting  
for the Mining Industry**

**GOLDLINE™ PREMIUM 38**

**BLACKROCK PLUS**



**Features**

Premium resistance to slurry abrasion, with excellent tensile strength and high elasticity.

Excellent impact, tear and abrasion resistance.

**Applications**

Lining of slurry chutes, pipes, tanks, cyclones, float cells, launders, storage bins and chutes.

Lining of tanks, slurry pipework, chutes and launders.



**Colour**

Gold



Black



		<b>Buffed finish One side</b>		<b>Bonding layer One side</b>	
<b>Roll thickness</b>	mm	6 - 10 - 12	20 - 25	3 - 6 - 10 - 12	20 - 25
<b>Roll width</b>	mm	1400	1400	1500	1500
<b>Roll length</b>	metres	13	6	13	6

		<b>Smooth Both sides</b>	<b>Bonding layer One side</b>
<b>Roll thickness</b>	mm	3	6 - 9 - 10 - 12 - 19 - 20 - 25
<b>Roll width</b>	mm	1200	1500
<b>Roll length</b>	metres	10	10

**Technical specification**

Polymer - NR

Polymer - NR

**PROPERTIES**

UNITS STANDARD

**GOLDLINE™ PREMIUM 38**

**BLACKROCK PLUS**

**Specific gravity**

g/cm<sup>3</sup> -

0.96

1.12

**Hardness**

Shore A ASTM D2240

38

60

**Tensile strength**

MPa ISO 37

≥ 29

≥ 18

**Elongation**

% ISO 37

≥ 780

≥ 400

**Tear strength**

N/mm ISO 34-1

≥ 33

≥ 50

**Dry abrasion loss**

mm<sup>3</sup> ISO 4649

≤ 50 (5N)

≤ 90 (10N)

**Temperatures**

°C -

-40 / +80

-50/ +85

## BUTYLINE



Excellent resistance to environments containing chemicals. Combined with excellent permeability to gases.

Lining of pipework, tanks, sumps, distribution areas, float cells and vessels.



Black



Smooth Both sides	Buffed finish One side
3 - 4.5	6 - 9 - 10 - 12
1200	1400
10	10

XIIR Halogenated Bromo Butyl

## NITRALINE NBR 50



A multi-purpose premium high grade Acrylo-Nitrile-Butadiene sheet rubber, with very good resistance to petroleum based fluids. It is also suitable for use with alcohols, mineral oils, hydraulic fluids and animal or vegetable oils.

Primarily used for its resistance to hydrocarbons and flotation reagents and chemicals.



Black



Smooth Both sides	Buffed finish One side
3	6 - 9
1400	1400
10	10

Polymer - NBR

## COLD BONDING SOLUTIONS AND ADHESIVES



MP2100 metal primer  
In 25 litre drums

Bondline™ sheet rubber etch and activator  
Part A and part B

Bondline™ sheet rubber adhesives  
Part A and part B

Note: storage of products away from heat and sunlight is recommended - "ISO 2230: Vulcanised Rubber - Guide to Storage".

## BUTYLINE

1.37

50

≥ 11

≥ 700

≥ 30

NA\*

-40 / +125

## NITRALINE NBR 50

1.10

50

≥ 17

≥ 450

≥ 35

≤ 30 (5N)

-25 / +110

\* Not usually selected for abrasion resistance. Values available on request.

**TECHNICAL INFORMATION, PROPERTIES OF RUBBER COMPOUNDS**

This table is provided as a general guide to the properties of compounds containing natural and synthetic rubbers.

Most compounds used in the manufacture of sheet rubber contain about 60% by weight of rubber, the balance is made up of additives,

each contributing to the physical properties of the finished product, or as a processing aid.

The selection of these components is very much a matter of compromise since the full achievement of one property is often at the expense of another.

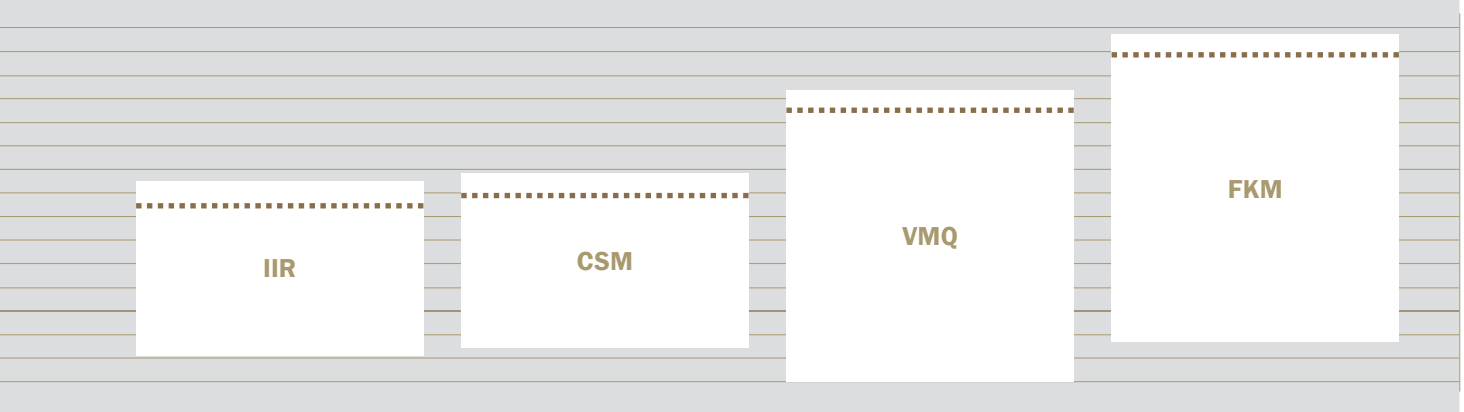
ASTM designation	NR	CR	NBR	EPDM
<b>Common name</b>	Natural	Neoprene	Nitrile	EPDM
<b>Composition</b>	Isoprene, natural	Chloroprene	Acrylonitrile butadiene	Ethylene-propylene-diene-terpolymer
<b>General properties</b>	Excellent physical properties including abrasion and low temperature resistance. Poor resistance to petroleum based fluids.	Good weather resistance. Flame retarding. Moderate resistance to petroleum based fluids. Good physical properties.	Excellent resistance to petroleum based fluids. Moderate resistance to aromatics. Good physical properties.	Excellent ozone, chemical and ageing characteristics. Poor resistance to petroleum based fluids.
<b>Operating temperatures</b>				
<b>Sheeting selection criteria, selection table</b>	<b>NR</b>	<b>CR</b>	<b>NBR</b>	<b>EPDM</b>
<b>Petrol</b>	Poor	Poor	Good	Poor
<b>Lubricating oils</b>	Poor	Fair	Good	Poor
<b>Acid</b>	Fair	Fair	Good	Excellent
<b>Alkali</b>	Fair	Fair	Fair	Good
<b>Hydraulic fluid/phosphates</b>	Poor	Poor	Poor	Good
<b>Hydraulic fluid/silicates</b>	Poor	Good	Good	Fair
<b>Abrasion resistance</b>	Excellent	Good	Good	Good
<b>Tear strength</b>	Good	Good	Good	Fair
<b>Impact resistance</b>	Excellent	Good	Fair	Good
<b>Resilience</b>	Excellent	Good	Good	Good
<b>Impermeable to gases</b>	Fair	Good	Good	Good
<b>Compression set</b>	Good	Good	Good	Fair

This is a general guide only. Please consult as required.

IIR	CSM	VMQ	FKM
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Butyl Isobutene-isoprene	Hypalon Chloro-sulfonyl-polyethylene	Silicone Silicone rubber	Viton Fluoro-elastomer
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Very good weathering resistance. Low permeability to air. Good physical properties. Poor resistance to petroleum based fluids.	Excellent ozone, weathering and acid resistance. Good abrasion and heat resistance. Poor resistance to petroleum based fluids.	Excellent heat, ozone, weathering resistance. Good physical properties.	Excellent chemical and heat resistance. Outstanding ozone, oxidation and weathering resistance.
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IIR	CSM	VMQ	FKM
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Poor	Poor	Poor	Excellent
Poor	Fair	Good	Excellent
Excellent	Excellent	Fair	Good
Excellent	Excellent	Fair	Fair
Good	Fair	Good	Poor
Fair	Good	Poor	Good
Good	Good	Fair	Good
Good	Fair	Poor	Fair
Good	Good	Fair	Fair
Fair	Good	Poor	Fair
Excellent	Excellent	Poor	Excellent
Fair	Fair	Good	Good

Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way.

[WWW.TRELLEBORG.COM](http://WWW.TRELLEBORG.COM)

**Scan here to view more product information**



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