

The background of the page is a close-up photograph of industrial matting. It shows a dark, textured mat with a grid-like pattern, likely made of rubber or a similar material, used for fluid handling. The mat is set against a lighter, possibly metallic, surface. The lighting creates strong shadows and highlights, emphasizing the texture and form of the matting.

Sheeting & Matting

TRELLEBORG GROUP LEADER IN POLYMER SOLUTIONS

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



Trelleborg Coated Systems



Trelleborg Industrial Solutions



Trelleborg Offshore & Construction



Trelleborg Sealing Solutions



Trelleborg Wheel Systems

TRELLEBORG FLUID HANDLING SOLUTIONS

Trelleborg Fluid Handling Solutions is part of the business area Trelleborg Industrial Solutions.

With over 1,000 employees and a head office located in Clermont-Ferrand in France, Trelleborg Fluid Handling Solutions is a leading developer, manufacturer and supplier of low and medium pressure industrial hoses, Oil & Gas hoses, rubber sheeting and matting and expansion joints based on advanced polymer technology.

We provide the optimum high performance solutions for every situation with production sites in France, Spain, Sweden and Turkey.

Trelleborg Fluid Handling Solutions offer a very large range of competitive products, solutions and services that meet your needs and requirements for all types of applications.



Industrial hoses



Oil & Gas hoses



Expansion joints



Rubber sheeting and matting



SHEETING & MATTING

Industrial & Wear resistant

Seal, damp and protect

Trelleborg rubber sheeting and matting range is suitable for most areas of use. Main applications are sealing (gaskets), protection (machine and process), safety (electric insulation, fire/smoke) and flooring (industrial matting).

We invest heavily in R&D. Our sales staff, chemists and engineers work to find better solutions for customers through continuous development of new materials, composites, designs and production methods. Certificates are available under request (food quality, drinking water, dielectric, fire and smoke resistance). Trelleborg is certified ISO 9001 and ISO 14001.

Trelleborg rubber sheeting and matting range is especially designed for:

- Chemical** (acids, bases, oils)
- Energy** (electrical insulation, fire protection)
- Food** (FDA and (EC) 1935/2004 certificates)
- Drinking water** (several certificates as ACS, WRAS, BELGAQUA, AS/NZS, etc.)
- Steel industry** (high temperature)
- Automotive** (acids, bases, oils)
- Construction & environment** (fire/smoke matting, bearings)
- Mining & quarries** (skirting, dust sealing)
- Sport centres** (shooting gallery, locker rooms)



Standard manufacturing dimensions and tolerances

Thickness (mm)	Thickness tolerance (mm)	Width (mm)	Length (m)	Thickness (mm)						
			Industrial	Wear resistant						
1	± 0.3	1400 ± 2 %	20 ± 2 %	20 ± 2 %	1					
1.5			15 ± 2 %	15 ± 2 %	1.5					
2			10 ± 2 %	10 ± 2 %	2					
3	± 0.4					3				
4						± 0.5			4	
5	± 0.7				5					
6					± 1.0					
8	± 1.4						8			
10					± 1.75					10
12										± 2.0
15	± 2.0					15				
20						± 2.0				20
25	± 2.0									25
30/40		± 2.0							30/40	

Sheeting

Industrial

NR SBR

NR: Natural rubber. Excellent mechanical and dynamic properties, abrasion resistance, resilience and elasticity. Flexible at low temperatures. High elongation and deformation capacity. Not resistant to oils and petroleum based products.

SBR: Alternative to natural rubber.

			Color	Density (g/cm ³)	Hardness (Shore A)	Tensile strength (Mpa)	Elongation at break (%)	Working temperature (°C)	Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Basic quality	R608 (611729)	1P 2P	●	1.50	65	4	200	-25 + 70	●	●	●	●
Standard level quality	RF48	1P 2P	●	1.35	65	4	200	-25 + 70	●	●	●	●
Standard level quality	1729	1P 2P	●	1.5	70	4	200	-15 + 80	●	●	●	●
White standard level quality	R661 (2484)		○	1.67	68	5	220	-25 + 70	●	●	●	●
White food quality natural rubber	R642 (61642)	☯	○	1.30	65	10	600	-45 + 80	●	●	●	●
High performance natural rubber	R490 (61490)		●	1.05	45	16	600	-40 + 85	●	●	●	●
High performance natural rubber	R499		●	1.00	43	20	650	-40 + 80	●	●	●	●
High performance	RS12 (2645)		●	1.00	40	18	600	-50 + 80	●	●	●	●

EPDM

Excellent ageing properties (heat, ozone, weathering).
Good resistance to acids, bases, solvents and steam.
Remains flexible at low temperature.
Not resistant to hydrocarbons and fat products.

Standard level quality	EF51		●	1.30	65	5	200	-25 + 120	●	●	●	●
Fire EN-45545-2 compliance	E527		●	1.45	70	7	400	-30 + 100	●	●	●	●
White food quality	E569 (70569)	☯	○	1.27	60	8	350	-40 + 115	●	●	●	●
Technical applications 50 Shore	E550 (70551)		●	1.17	50	9	450	-40 + 115	●	●	●	●
Technical applications 60 Shore	ES02 (7002)		●	1.30	60	7	500	-40 + 120	●	●	●	●
Technical applications 70 Shore	ES01 (7001)		●	1.31	70	7	300	-40 + 120	●	●	●	●
High temperature applications	ES03 (7003)		●	1.24	70	10	200	-40 + 125	●	●	●	●

IIR (Butyl)

Very good resistance to acids, bases, and steam.
Good resistance to animal or vegetable fats and oils.
Weathering, ozone and UV resistant.

Technical applications 60 Shore	T620		●	1.27	60	8	400	-40 + 130	●	●	●	●
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CR (Polychloroprene)

Good mechanical and physical properties, low compression set values and good bending.

Very good resistance to weathering, ozone and UV.

Good resistance to diluted acids, alifatic solvents, oils and petroleum based products.

Basic quality	C609	1P 2P	●	1.50	65	4	200	-25 + 90	●	●	●	●
Standard level quality	CF49 (64572)	1P 2P	●	1.40	65	6	250	-25 + 90	●	●	●	●
Technical applications 40 Shore	C400 (64400)		●	1.33	40	4	450	-30 + 90	●	●	●	●
Technical applications 50 Shore	C500		●	1.35	50	4.5	400	-30 + 100	●	●	●	●
Technical applications 50 Shore	CS14 (414)		●	1.30	50	7	300	-25 + 100	●	●	●	●
Technical applications 60 Shore	CF03	1P 2P	●	1.40	60	7	250	-25 + 100	●	●	●	●
Technical applications 60 Shore	CS24 (3932)	1P 2P	●	1.50	60	5	300	-20 + 100	●	●	●	●
Technical applications 60 Shore	483		●	1.30	60	13	250	-35 + 120	●	●	●	●
Technical applications 70 Shore	CS40	1P 2P	●	1.45	70	6	300	-20 + 100	●	●	●	●
High performance	CF14		●	1.30	60	10	250	-35 + 120	●	●	●	●

CSM

Good chemical resistance against acids and bases.

Technical applications 60 Shore	H630		●	1.30	60	9	350	-35 + 125	●	●	●	●
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NBR

Excellent resistance to oils, fats, petroleum based products and organic solvents.

Low resistance to weathering, ozone and UV.

Basic quality	B609	1P 2P	●	1.50	65	4	250	-25 + 90	●	●	●	●
Standard level quality	BF50 (2395)	1P 2P	●	1.35	65	5	300	-25 + 90	●	●	●	●
Standard level quality	2394	1P 2P	●	1.40	70	5	150	-15 + 70	●	●	●	●
White food quality	B571 (5136)	☯	○	1.44	65	10	400	-35 + 110	●	●	●	●
Technical applications 50 Shore	BS11 (2435)		●	1.20	50	8	450	-30 + 70	●	●	●	●
Technical applications 60 Shore	BS33		●	1.28	60	10	350	-25 + 110	●	●	●	●
Technical applications 70 Shore	BS08 (5423)		●	1.30	70	10	250	-30 + 100	●	●	●	●
High performance	B668		●	1.25	70	13	250	-30 + 120	●	●	●	●
For transformer oil	BF31	☯	●	1.30	70	13	300	-40 + 130	●	●	●	●

Viton® (FKM)

Excellent chemical resistance.
Excellent resistance to very high temperatures.
Good mechanical and physical properties.

High technical applications	V733		●	1.85	70	7	220	-20 + 250	●	●	●	●
Green food quality	V735	☯	●	1.83	75	11.5	300	-20 + 250	●	●	●	●

Silicone

Excellent working temperature range and ageing properties.
Straightforward handling (no talc).

Red food quality	SR	☯	●	1.20	60	10	500	-60 + 200	●	●	●	●
Transparent food quality	ST	☯	○	1.20	60	10	500	-60 + 200	●	●	●	●
White food quality	SW	☯	○	1.20	60	10	500	-60 + 200	●	●	●	●

Consult the technical datasheet or consult us for any specific application or product in contact with Trelleborg sheeting.

1P 1 ply 2P 2 plies ● Very good ● Good ● Medium ● Non suitable

Wear resistant

Sand and gravel quarries, steel industry, foundries, metal industry, aggregate and cement industries, concrete plants, sawmills, food and pharmaceutical industry, agriculture, sewer cleaning, industrial waste and road maintenance.



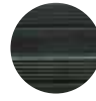
High wear sheeting			Rubber compound	Color	Option (bonding layer)	Density (g/cm ³)	Hardness (Shore A)	Tensile strength (Mpa)	Elongation at break (%)	Abrasion (mm ³)	Working temperature (°C)	
	Fine grain size material (dry or wet conditions)	REDFINE +	NR R397	●	BL	0.95	35	24	700	60	-40 +80	
	Round grain material	BLACKROCK +	NR R650	●	BL	1.12	60	18	400	90	-50 +85	
	Crushed material	ARMURITE	NR RF20	●	BL	1.12	65	25	400	100	-40 +70	
Medium wear sheeting												
	Fine grain size material (dry or wet conditions)	REDFINE/YELLOWFINE	NR R492/NR R491	●	●	BL	1.05	45	16	600	83	-40 +85
		BLACKFINE	NR R353	●			1.00	40	20	650	80	-40 +70
		GREYFINE	NR R488	●			1.05	40	16	600	100	-40 +70
		WHITEFINE	NR R320	○			0.95	40	20	600	110	-40 +80
	Round grain material	BLACKROCK	NR R698	●	BL	1.21	60	15	400	130	-40 +85	
		BLACKHARD	NR R847	●			1.15	80	15	240	120	-40 +80
Special wear sheeting												
	Fire resistant	BLACKFIRE	CR C738	●			1.47	70	10	250	200	-30 +120
	Dust sealing	BLACKDUST	NR R431	●			1.03	45	16	600	90	-50 +85
	Skirting	BLACKSKIRT	NR R439	●			1.18	50	8.5	400	125	-40 +70
		GREENSKIRT	NR R570	●			1.20	55	13	450	170	-40 +80
	Scrapers	SANDWICH	NR R698/R492/R698	● / ● / ●			1.15	60/45/60	15	400	130	-40 +85

Matting

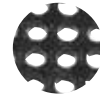
Vehicles step treads, workbenches, shelves, racks covers, walls, columns, staircases, step stools, car trunks, vessels corridors, halls, corridors, ramps, stairs, elevators in industrial premises, flooring and matting for industrial site (aisles, warehouses, locker rooms).



Circular studs (MC 2K1)



Rectangular ribbed (MR)



Honeycomb (MH) open



Circular studs (MC 7A)



Wide ribbed (MG)



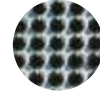
Honeycomb (MH) closed



Fine triangular ribbed (MT)



Checker (MK)



Finger-tip (MF)

Standard matting

			Color	Thickness (mm)	Width (mm)	Length (m)
CIRCULAR		Circular studs (MC 2K1)	● ●	3	1000/1200	10
		Fine triangular ribbed (MT)	●	3	1000/1200	10
GROOVED		Rectangular ribbed (MR)	●	2.5	1500	15
		Wide ribbed (MG)	●	5.8	1000/1200	10
CHECKER		Checker (MK)	●	3	1400	10
RING		Honeycomb (MH) open	●	14/22	800/1000	1.8/1.2/1.5
		Honeycomb (MH) closed	●	14	1000	1.8
PINS		Finger-tip (MF)	●	10/16	1000	10/8

Technical matting (other colors under request)

CIRCULAR +		Circular studs (MC 2K1)	● ● ● ● ●	3	1000/1200	10
		Circular studs (MC 7A)	●	4.5	1000	10
GROOVED +		Wide ribbed M39 (MG)	●	5	1400	10
CHECKER +		Checker (MK)	●	3/5	1400	10
OILMAT Oil and hydrocarbon resistant		Circular studs (MC 2K1)	●	3	1000/1200	10
		Circular studs (MC 7A)	●	4.5	1000	10
		Checker (MK)	●	3	1400	10
FIREMAT Fire resistant		Circular studs (MC 2K1)	● ●	3	1000/1200	10
ELECMAT Electric insulation		Fine triangular ribbed (MT)	●	3/4.5	1000/1200	10
		Wide ribbed M39 (MG)	●	5	1200	10
		Checker (MK)	●	3	1400	10

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BU FLUID HANDLING SOLUTIONS

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