

dynamic rubbers

PVT. LTD.



40+ 
Years of
Experience

52+ 
Exporting
Countries

30+ 
Product
Range

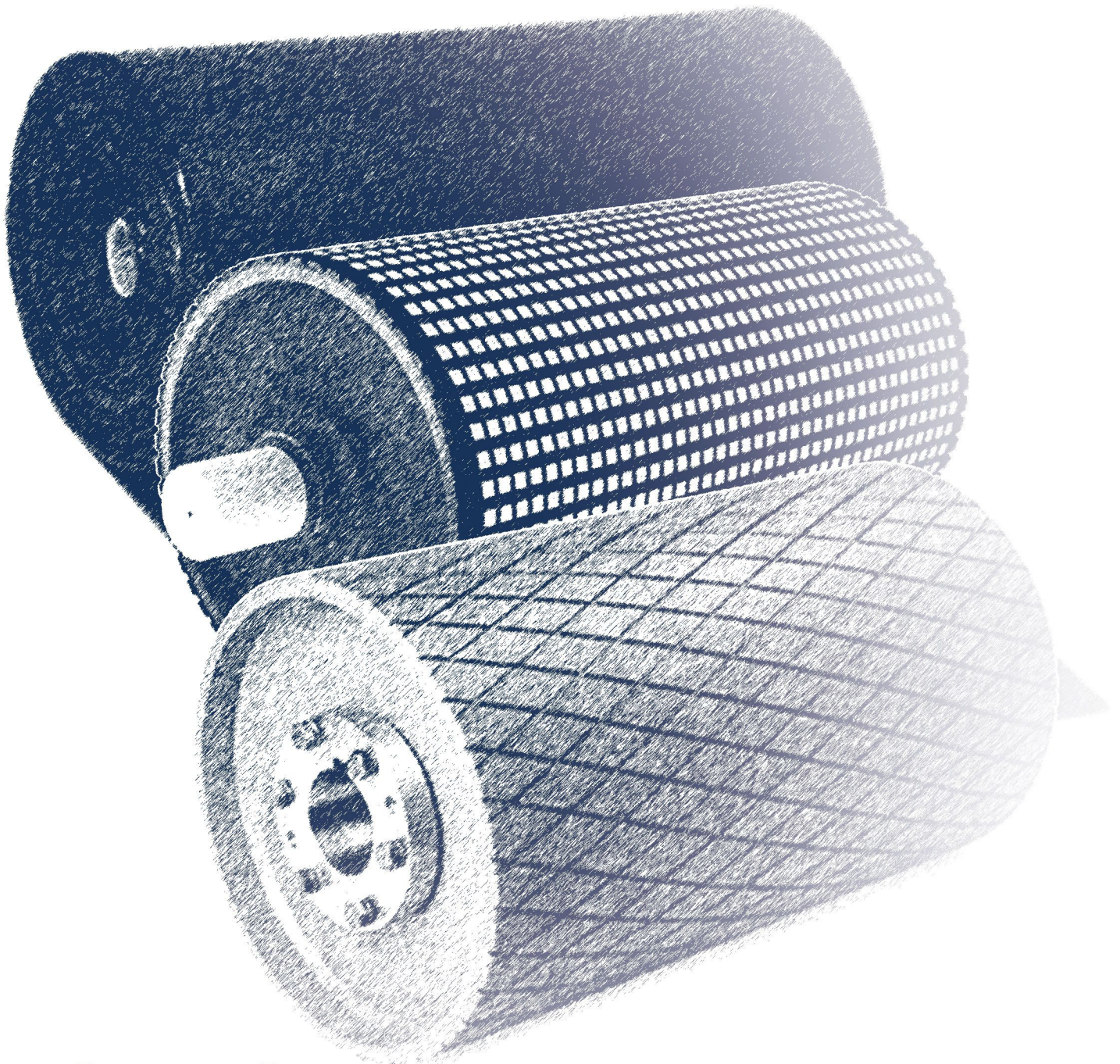
Product Catalogue

**Bulk Material
Handling Solutions**

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www.dynamicrubbers.com

Rubber Sheets

Dynamic Rubbers provides a wide range of Rubber Sheets. From simple commercial compounds to technically advanced sheets, we can meet the most exact client requirements with ease. We provide rubber sheets for various purposes like Pulley Lagging, Tank lining, soundproofing, abrasion resistance, impact resistance, insulation, gaskets, diaphragms, and air bellows.



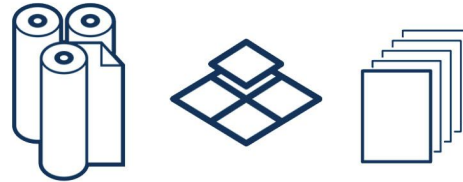
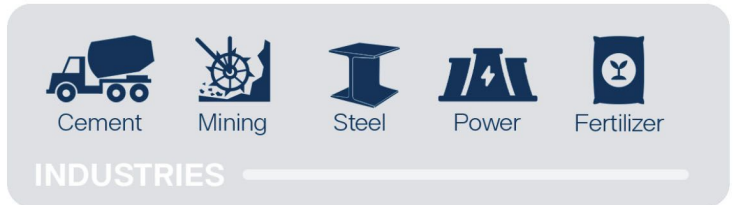
**dynamic
rubbers**
PVT. LTD.

Know more about us www.dynamicrubbers.com

Plain Rubber Sheets.

DYNAMIC offers wide range of Plain Rubbers sheets, catering to diverse client requirements.

- ▶ **Custom compounds:** DYNAMIC offers unique formulations tailored to specific requirements of customers.
- ▶ **Plain Rubber Sheets:** Commonly used for tank lining, soundproofing, abrasion resistance, impact resistance, insulation, gaskets, diaphragms, and air bellows.



Forms: Rolls, Tiles and Plates

THICKNESS TOLERANCES					
NORMAL THICKNESS		TOLERANCES ±		TOLERANCES ±	
FRACTION INCHES	DECIMALS INCHES	INCHES	MILLIMETER	MILLIMETER	
UNDER 1/32"	UNDER 0.031	0.01	1	0.25	
1/32" TO BUT NOT INCLUDING 1/16"	0.031 TO 0.062	0.012	2	0.3	
1/16" TO BUT NOT INCLUDING 1/8"	0.062 TO 0.125	0.016	3	0.4	
1/8" TO BUT NOT INCLUDING 3/16"	0.125 TO 0.187	0.02	5	0.51	
3/16" TO BUT NOT INCLUDING 3/8"	0.187 TO 0.375	0.031	10	0.79	
3/8" TO BUT NOT INCLUDING 9/16"	0.375 TO 0.562	0.047	15	1.19	
9/16" TO BUT NOT INCLUDING 3/4"	0.562 TO 0.750	0.062	10	1.59	
3/4" TO BUT NOT INCLUDING 1"	0.750 TO 1.000	0.094	23	2.38	
1" AND OVER	1.000 AND OVER	10%	25	10%	

WIDTH TOLERANCES +/- 2%

LENGTH TOLERANCES +/- 5%

Butyl Rubber Sheets.

The Butyl Sheet from DYNAMIC is highly resistant to ozone, oxidation, and sunlight. It has a low resilience, making it excellent for vibration-dampening and shock absorption applications. It offers moderate abrasion and compression set resistance.

▶ **Butyl Rubber Sheet:** Co-polymer of iso-butylene and isoprene, low permeability, operates from -45°C to +130°C.

▶ **Resists ozone, oxidation, sunlight:** Offers excellent weather resistance, ideal for vibration dampening, shock absorption.

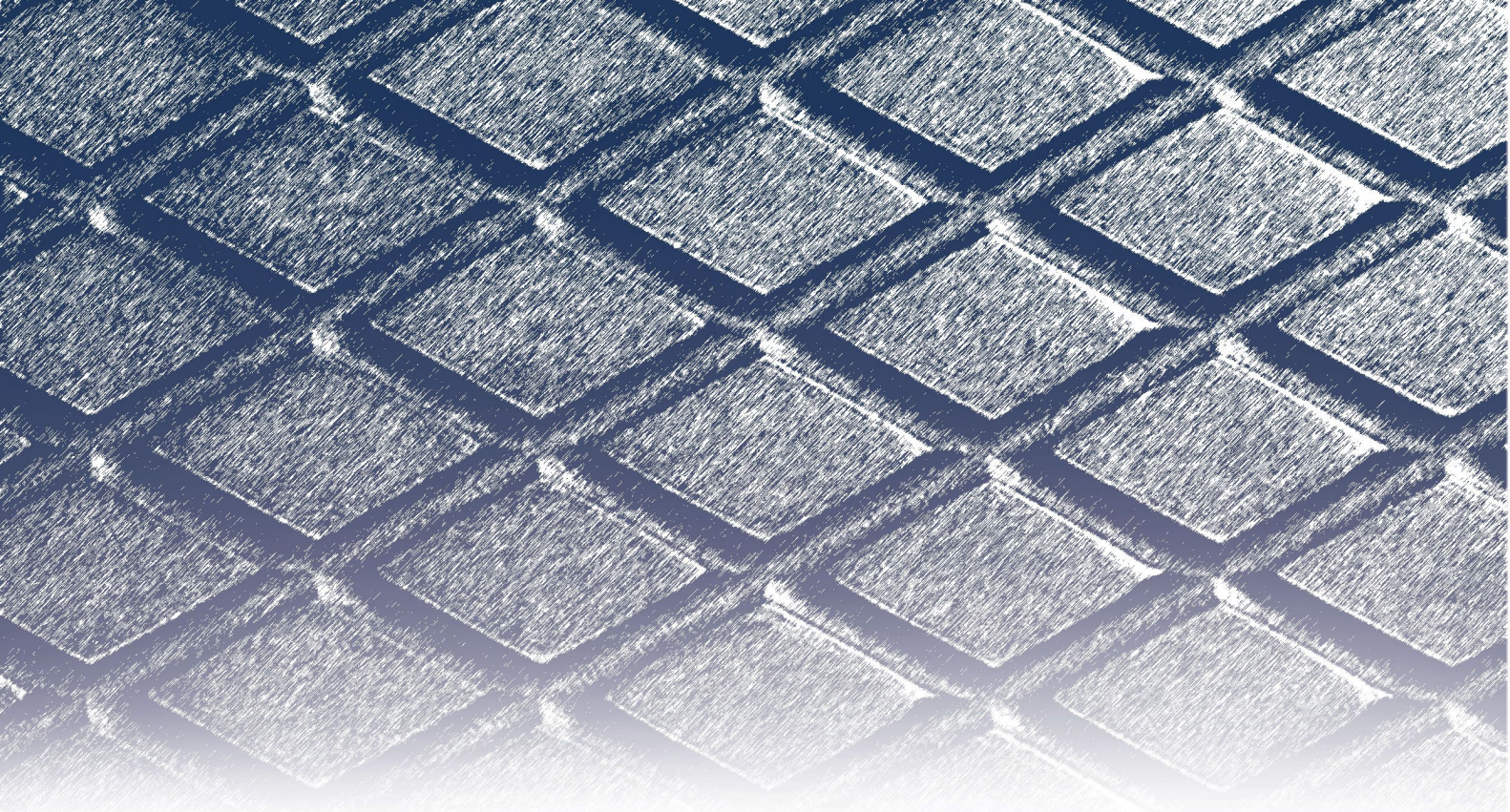
▶ **Abrasion and compression resistant:** Provides high tensile strength, resistance to inorganic and aqueous acids.



▶ **Buthalogenated Butyl Rubber Sheets:** Available for oil and hydrocarbon resistance in specialized applications.

BUTYL RUBBER SHEETS							
CODE	SPECIFIC GRAVITY	HARDNESS (±5)	TENSILE STRENGTH	ELONGATION AT BREAK	COMPRESSION SET AT 70°C FOR 22 HRS	TEMP. RANGE	COLOUR
	GM / CM3	SHORE A	(MIN) KG / CM2	(MIN) %	%	°C	
CIIR 55110	1.10	55	130	550	25	-45 TO +130	BLACK
IR 60120	1.20	60	90	350	40	-40 TO +131	BLACK
IR 65135	1.35	65	60	250	40	-40 TO +130	BLACK
STANDARD LENGTH			10 MTR	33 FT	11 YARD		
STANDARD			1.2/1.4/1.5 MTR	4/4.6/4.92 FT	1.33/1.53/1.64 YARD		

NOTE 1). ONE SIDE OR BOTH SIDE SMOOTH OR FABRIC FINISH CAN BE SUPPLIED.
2). SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



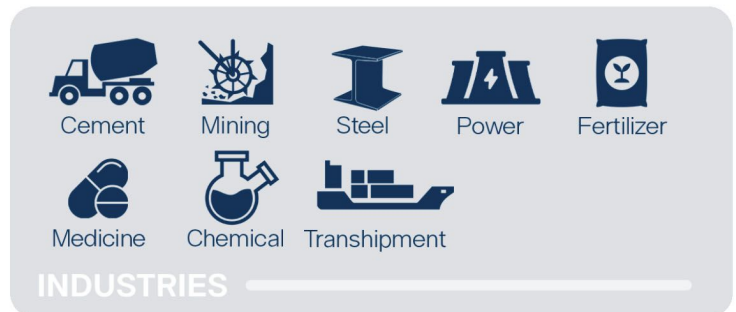
Rubber Sheets.

Pulley Lagging Rubber Sheets.

The DYNAMIC's Pulley Lagging Sheets are designed for maximum elasticity and resistance to wear and tear. They are made up of a special mix of natural and synthetic rubber that prevents any conveyor belt slippage.

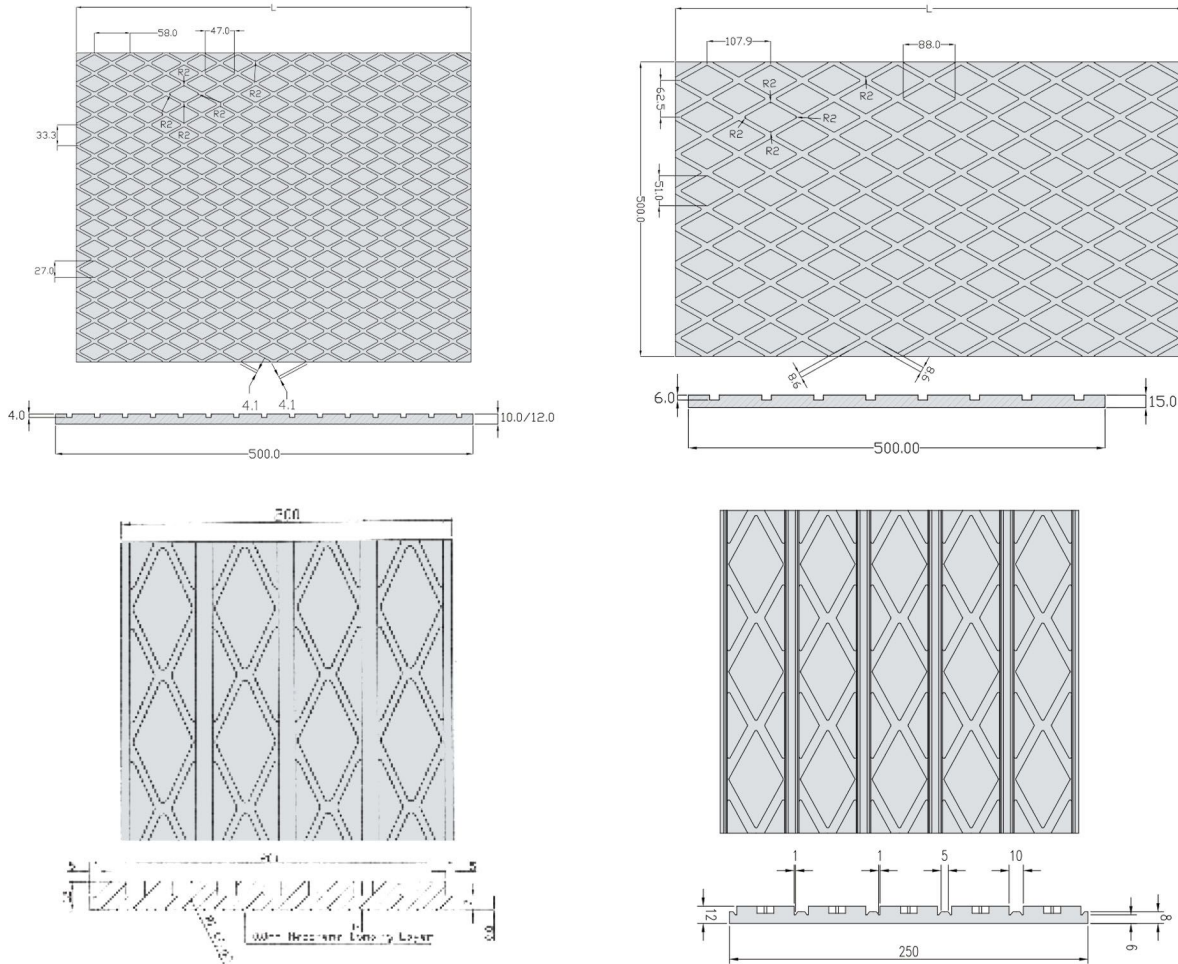
- ▶ **Pulley Lagging Rubber Sheet:** Exceptional performance with corrosion resistance and prevention of material build-up, available in black for belt tracking, and options like diamond, square, and plain patterns.

- ▶ **Resilient properties:** Resist abrasion, ozone, harsh weather, temperatures, UV rays, and radiation for extended durability.
- ▶ **Versatile applications:** Pulley Lagging Rubber Sheets, with varying hardness, specific gravity, bonding layers, and surface finishes, find utility in diverse industries.



- ▶ **Enhanced performance:** Ideal for pulley lagging, DYNAMIC's sheets improve grip, resist corrosion, and are used in mining, quarrying, and metal processing for medium belt tension on various pulleys.
- ▶ **CN bonding layer:** In most metal lining Rubber sheet applications, a thin layer (0.8-1.0 mm) of neoprene backing is added due to its excellent adhesion qualities to metals.

Range of Profiles with dimensions



SL.	SPECIFICATION	DESCRIPTION
1	STANDARD WIDTHS	300MM TO 2400MM OR AS PER SPECIFICATION
2	PATTERN	DIAMOND GROOVE AND PLAIN
3	BONDING LAYER	CN BONDING LAYER WITH KNURLING IMPRESSION
5	COVER GRADES	AVAILABLE IN GENERAL PURPOSE IMPACT AND ABRASION RESISTANT(M24), HEAT RESISTANT(HR), FIRE RESISTANT (FR)GRADES AND COMBINATIONS AVAILABLE ON REQUEST.
6	SINGLE ROLL LENGTH	UPTO 100 METERS

Rubber Sheets.

Ceramic Pulley Lagging Sheets.

The chloroprene bonding layer on DYNAMIC's Ceramic Lagging Sheets is utilized as a protective covering to maximize pulley life in applications for harsh circumstances, for instance: damp and muddy environments.

- ▶ **Wet/muddy conditions:** Protects pulleys, prolongs life. Made with high quality alumina tiles, abrasion resistant rubber.
- ▶ **Best for wet/muddy conditions.**
- ▶ **Width upto 500mm.**
- ▶ **Length upto 10 meters.**
- ▶ **Thickness 10-20 mm.**
- ▶ **Dimpled surface for grip.**
- ▶ **CN bonding layer:** In most metal lining Rubber sheet applications, a thin layer (0.8-1.0 mm) of neoprene backing is added due to its excellent adhesion qualities to metals.



Cement

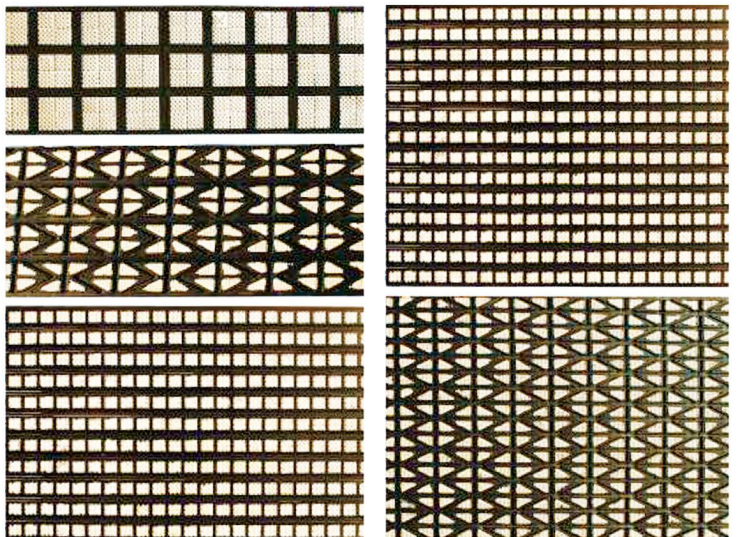


Power



Transhipment

INDUSTRIES



dynamic
rubbers
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DIMENSIONS			
CODE	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)
DRCL- 5A	12	500	10.000
DRCL- 5B	13	500	10.000
DRCL- 5C	15	500	10.000
DRCL- 5D	17	500	10.000
DRCL- 5E	20	500	10.000

RUBBER SPECIFICATIONS	
HARDNESS (SHORE A)	65+/-5
DENSITY (G/CC)	1.12 TO 1.17
TENSILE STRENGTH (MPA)	20.0 (MIN)
ELONGATION (MIN)	400% (MIN)
ABRASION (MM3)	120 (MAX)

CERAMIC SPECIFICATIONS	
ALUMINUM OXIDE AL2O3	92 % (MIN)
DENSITY (G/CC)	3.65 (MIN)
HARDNESS (R45N)	77 (MIN)
FLEXURAL STRENGTH (MPA)	240 (MIN)
ABRASION BY RUBBING ©	0.1 (MAX)

DIMENSIONS		
CO -EFFICIENT OF FRICTION	RUBBER LAGGING	CERAMIC LAGGING
DRY	0.4	0.7
WET	0.3	0.5

Nitrile Rubber Sheets.

DYNAMIC offers wide range of Plain Rubbers sheets, catering to diverse client requirements.

► **Nitrile Rubber Sheet:** Formed by co-polymerizing Butadiene and Acrylonitrile, offers slow aging, good metal adhesion, and hydrocarbon protection.



► **Temperature range:** -30°C to +120°C, resistant to inorganic chemicals (except antioxidants and chlorine), provides hydrocarbon protection.

NITRILE RUBBER SHEETS

CODE	SPECIFIC GRAVITY	HARDNESS (±5)	TENSILE STRENGTH	ELONGATION AT BREAK	ABRASION RESISTANT	COMPRESSION SET AT 70°C FOR 22 HRS	CHANGE IN VOLUME AT ASTM OIL NO 3 70 °C/72 HRS	WORKING. TEMP	COLOUR
	GM /CM3	SHORE A	(MIN) KG / CM2	(MIN) %	MM ³ 10 N	%	%	°C	
NB 60130	1.30	65	100	350	250	20	20	-30 TO +110	BLACK
NB 65135	1.35	65	50	300	-	30	30	-30 TO +70	BLACK
NB 70140	1.45	70	50	250	300	40	40	-30 TO +90	BLACK
NB 60150	1.50	60	70	300	300	30	30	-30 TO +110	

FOOD GRADE RUBBER SHEET

CODE	SPECIFIC GRAVITY	HARDNESS (±5)	TENSILE STRENGTH	ELONGATION AT BREAK	ABRASION RESISTANT	COMPRESSION SET AT 70°C FOR 22 HRS	CHANGE IN VOLUME AT ASTM OIL NO 3 70 °C/72 HRS	WORKING. TEMP	COLOUR
	GM /CM3	SHORE A	(MIN) KG / CM2	(MIN) %	MM ³ 10 N	%	%	°C	
NB 60130	1.40	60	60	350	-	30	15	-25 TO +110	OFF WHITE

STANDARD LENGTH	10 MTR	33 FT	11 YARD
STANDARD	1.2/1.4/1.5 MTR	4/4.6/4.92 FT	1.33/1.53/1.64 YARD

NOTE 1). ONE SIDE OR BOTH SIDE SMOOTH OR FABRIC FINISH CAN BE SUPPLIED.
2). SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Neoprene Rubber Sheets.

DYNAMIC's Neoprene/Chloroprene Rubber Sheet offers heat, ozone, and weathering resistance. It exhibits excellent mechanical and abrasion properties, even without reinforcing fibers. The sheet maintains its quality while providing durability and protection against various environmental factors.

► **Neoprene/Chloroprene Rubber Sheet:** Chloroprene or Chloro-Butadiene homo polymer with good mechanical and abrasion qualities.

► **High temperature use:** Suitable for temperatures over 60°C, excellent protection against heat, ozone, and weather.

► **Wide temperature range:** Recommended for -40°C to +125°C operation, offers protection against inorganic hydrocarbons.



► **Flame-retardant options:** Available in flame-retardant grades for enhanced safety in specific applications.

NEOPRENE RUBBER SHEETS										
CODE	SPECIFIC GRAVITY	HARDNESS (±5)	TENSILE STRENGTH	ELONGATION AT BREAK	ABRASION	COMPRESSION SET AT 70°C FOR 22 HRS	TEMP. RANGE	OIL SWEL IN ASTM OIL 903	COLOUR	POLYMER CONTENT
	GM /CM3	SHORE A	(MIN) KG / CM2	(MIN) %	MM ³ 10 N	%	°C	°C		
NE 65130	1.35	65	70	300	-	35	-25 TO +125	55%	BLACK	100%
NE 50140	1.40	55	60	350	-	45	-30 TO +90	90%	BLACK	30%
NE 60140	1.40	65	100	400	250	40	-35 TO +120	35%	BLACK	100%
NE 60140	1.45	60	40	250	-	60	-35 TO +80	90%	BLACK	10%
NE 70140	1.45	70	50	225	-	45	-25 TO +90	60%	BLACK	30%

STANDARD LENGTH	10 MTR	33 FT	11 YARD
STANDARD	1.2/1.4/1.5 MTR	4/4.6/4.92 FT	1.33/1.53/1.64 YARD

NOTE 1). ONE OR BOTH SIDE SMOOTH OR FABRIC FINISH CAN BE SUPPLIED.
2). SPECIFICATIONS ARE SUBJECT TO CHNAGE WITHOUT NOTICE.

***We can offer the same with Silicone rubber and Whiton rubber.**

CONVEYER BELTING



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District: Kheda, Landmark: Haldarvas
387110

Bharat Rubber industries - Kolkata Unit
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**Rubber
Products &
Belting
Unit.**

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