



JONSON

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PRODUCT CATALOGUE



REGISTERED OFFICE

JONSON RUBBER INDUSTRIES LIMITED

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NR / SBR RUBBER SHEETS

NR or Natural Rubber Poly-isoprene is derived from latex liquid extracted from rubber trees. Originally cultivated in the Amazon region, it is now cultivated extensively in South East Asia, Africa and India. This rubber has excellent mechanical properties, low compression set and high resilience. It also has excellent dynamic and rebound properties.

The operating temperature range is from -50° C to + 90° C. It is available in a wide range of hardness from 30° to 80° Shore A. Many of them have good resistance to acids, alkalis and salts. It is not recommended for use in areas where it could come in contact with oils and hydrocarbons.

They are special purpose high abrasion resistant rubber sheet, made from premium quality dry Natural Rubber with outstanding resistance to cut, tear and abrasion used for anti-abrasion rubber linings for material handling equipment in mines

Application wise, they are used as skirt-board sheets, bridge bearing pads, shot blasting sheets, Chute Lining, High Tensile Tan Gum sheets and commercial sheets with & without cotton insertion etc.

Code	Specific Gravity	Hardness (±5)	Tensile Strength		Elongation at Break	Abrasion	Compression Set at 70°C for 22 Hrs	Temp Range	Colour
	gm/cm ³	Shore A	(min) Kg/cm ²	(min) %age	mm ³ 10N	%	°C		
JRNR001	1.35	60	50	300	400	50	-30 to +70	Black	
JRNR002	1.35	65	50	300	450	55	-30 to +70	Black	
JRNR003	1.4	65	80	380	400	50	-30 to +70	Black	
JRNR004	1.5	70	35	250	450	-	-30 to +70	Black	
JRNR005	2.1	75	15	150	400	-	-30 to +70	Black	

Code	Specific Gravity	Hardness (±5)	Tensile Strength		Elongation at Break	Abrasion	Compression Set at 70°C for 22 Hrs	Temp Range	Colour
	gm/cm ³	Shore A	(min) Kg/cm ²	(min) %age	mm ³ 10N	%	°C		
JRNR021	0.98	35	200	600	-	30	-25 to +70		
JRNR022	1.02	40	150	600	120	30	-25 to +70		
JRNR023	1.05	45	160	600	120	30	-25 to +70		
JRNR024	1.1	40	160	700	225	30	-25 to +70		
JRNR025	1.25	45	100	400	140	35	-25 to +70		
JRNR026	1.25	50	100	450	150	35	-25 to +70		
JRNR027	1.25	50	75	500	350	40	-25 to +70		
JRNR028	1.12	45	90	600	230	35	-25 to +70		

The background of the entire page is a photograph of various colored rubber sheets (white, light blue, yellow) stacked and overlapping. The sheets are cut into rectangular pieces and are arranged in a way that shows their thickness and texture. The colors are vibrant and the lighting is bright, highlighting the smooth surface of the rubber.

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CHLOROPRENE (NEOPRENE)[®] RUBBER SHEETS

CR or Chloroprene is a homo-polymer of chloroprene or chloro-butadiene. It has excellent mechanical and good abrasion properties even without reinforcing fillers and has a reasonable resilience in grades over 60° shore A. It displays good resistance to heat, ozone and weathering and also gives good adhesion to metal. The recommended operating temperature range is between -40°C to +125°C. It has good resistance to inorganic hydrocarbons. We also offer flame retardant grades.

NEOPRENE RUBBER SHEETS - COMMERCIAL GRADE

Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at Break	Abration Resistant	Compression Set at 70°C for 22 Hrs	Temp Range	Colour
	gm/cm ³	Shore A	(min) Kg/cm ²	(min) %age	mm ³ 10N	%	°C	
NE 35130	1.35	65	70	300	-	50	-25 to +100	Black
NE 50140	1.4	55	60	350	-	45	-30 to +90	Black
NE 65140	1.4	65	100	400	250	40	-35 to +120	Black
NE 60140	1.45	60	40	250	-	45	-35 to +80	Black
NE 70140	1.45	70	50	225	-	45	-25 to +90	Black

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ETHYLENE PROPYLENE DIENE MONOMER RUBBER SHEETS (EPDM)

Ethylene Propylene Diene Monomer Rubber Sheets has an excellent operating temperature range of -45* C to 120* C. It is highly recommended for out-door uses as it extremely resistant to oxidation, U.V. Rays and Ozone.

EPDM RUBBER SHEETS - COMMERCIAL GRADE

Code	Specific Gravity gm/cm ³	Hardness (±5) Shore A	Tensile Strength (min) Kg/cm ²	Elongation at Break (min) %age	Compression Set at 70°C for %	Temp Range °C	Colour
EPJR001	1.3	60	80	300	35	-30 to +100	Black
EPJR002	1.35	65	60	250	35	-30 to +70	Black
EPJR003	1.35	60	50	300	45	-30 to +70	Black

EPDM RUBBER SHEETS - SPECIAL GRADE

Code	Specific Gravity gm/cm ³	Hardness (±5) Shore A	Tensile Strength (min) Kg/cm ²	Elongation at Break (min) %age	Compression Set at 70°C for 22 Hrs %	Temp Range °C	Colour
EPJR004	1.15	60	100	300	25	-30 to +130	Black
EPJR005	1.15	65	144	400	30	-30 to +130	Black
EPJR006	1.25	50	90	300	30	-30 to +130	Black
EPJR007	1.25	65	80	300	30	-30 to +120	Black
EPJR008	1.18	70	110	250	8	-30 to +120	Black

FOOD GRADE RUBBER SHEETS

Code	Specific Gravity gm/cm ³	Hardness (±5) Shore A	Tensile Strength (min) Kg/cm ²	Elongation at Break (min) %age	Compression Set at 70°C for 22 Hrs %	Temp Range °C	Colour
EPJR009	1.3	60	50	300	40	-25 to +130	Off White

Standard Length

10 Mtr

33FT

11 Yard

Standard Width

1.2/1.4/1.5 Mtrs

4/4.6/4.92

1.33/1.53/1.64 Y

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SILICON RUBBER SHEETS

Silicon rubber is physiologically inert, thus making it the preferred choice of medical, pharmaceutical and food processing industries.

Silicon have comparatively low mechanical properties, tensile strength, elongation and tear strength, however they keep constant even at high temperatures but should not be used with high- pressure steam.

Its resistance to oil and hydrocarbon products is fairly limited and similar to that of Chloroprene rubbers. Reasonable resistance to a whole range of general chemical products, but acids, alkalis, esters and kerosene should be avoided.

Silicon has excellent resistance to heat (dry air), at +200°C intermittent. It remains flexible at low temperatures of -70°C and it is also resistant to ultra-violet light, Ozone and weathering. Exhibits low inflammability and low smoke toxicity. It has good electrical insulation properties.

Jonson manufactures numerous types of Silicon compounds for various applications.

SILICON RUBBER SHEETS

Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at Break	Compression Set at 70°C for 22 Hrs	Temp Range	Colour
	gm/cm ³	Shore A	(min) Kg/cm ²	(min) %age	%	°C	
SRJRIL001	1.16	61	80	300	40	-60 to +226	As Per Choice
SRJRIL002	1.2	60	100	250	40	-60 to +225	As Per Choice
SRJRIL003	1.2	50	90	250	40	-90 to +200	As Per Choice
SRJRIL004	1.2	60	60	250	40	-90 to +200	As Per Choice
SRJRIL005	1.3	60	60	200	45	-70 to +200	As Per Choice
SRJRIL006	1.3	70	60	200	45	-50 to +200	As Per Choice
SRJRIL007	1.35	65	50	150	45	-50 to +175	As Per Choice

Standard Length

10 Mtr

33FT

11 Yard

Standard Width

1.2/1.4/1.5 Mtrs

4/4.6/4.92

1.33/1.53/1.64 Y

NITRILE RUBBER SHEETS

Nitrile rubber or acrylonitrile butadiene rubber is a co-polymer of butadiene and acrylonitrile. It has good general resistance to oil along with good mechanical properties, especially tensile strength, flexing, compression set and impermeability to gases. It has moderate aging properties and good adhesion to metal. Its recommended operating temperature range is -30°C to $+120^{\circ}\text{C}$. It also displays a good resistance to inorganic chemical products except antioxidant agents and chlorine.

It gives satisfactory resistance to general hydrocarbons.

Due to its polar nature, we do not recommend its use with polar liquids like ketones, ethers and amines.

NITRILE RUBBER SHEETS - SPECIAL GRADE

Code	Specific Gravity	Hardness (± 5)	Tensile Strength	Elongation at Break	Abrasion	Compression Set at 70°C for 22 Hrs	Change in Volume at ASTM Oil No 3 70°C/72 Hrs	Temp Range	Colour
	gm/cm ³	Shore A	(min) Kg/cm ²	(min) %age	mm ³ 10N	%	%	°C	
NRJR001	1.35	65	100	350	250	30	15	-30 to +120	Black
NRJR002	1.35	65	50	300	-	30	20	-30 to +70	Black
NRJR003	1.45	70	50	250	300	40	75	-30 to +90	Black
NRJR004	1.48	65	70	200	-	35	10	-30 to +120	Black
NRJR005	1.5	60	70	300	300	30	12	-30 to +120	Black

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HIGH ABRASION RESISTANT® RUBBER SHEETS

Jonson's HIGH ABRASION RESISTANT® Rubber sheets use premium natural rubber for abrasion, impact and corrosion resistance.

The HIGH ABRASION RESISTANT® range provides unmatched wear performance in the toughest abrasion environments.

Our sustained performance advantage in the rubber industry lies in our proven manufacturing process, which creates a product that provides superior performance when compared to other wear materials.

Pure natural rubber is an outstanding abrasion resistant material, particularly for handling slurries. The inherent properties of strength, resilience and cut resistance have a direct effect on wear performance.

HIGH ABRASION RESISTANT RUBBER SHEETS

Code	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at Break	Abrasion	Compresion Set at 70°C for 22 Hrs	Temp Range	Colour
	gm/cm ³	Shore A	(min) Kg/cm ²	(min) %age		mm ³ 10N	%	
Abrasuper-40	0.98	38 ± 4	240	810	120	15	-30 to +70	Pink/Blue/Orange
Abrasuper-60	1.1	60	200	500	110	15	-30 to +70	Pink/Blue/Orange
ABRA R 60	1.1	60	270	700	110	20	-40 to +70	RED
ABRA HD 60	1.1	60	215	470	110	20	-40 to +75	BLACK
ABRA HDR	1.15	70	225	600	110	25	-40 to +75	RED
ABRA HD 70	1.15	70	215	450	90	25	-40 to +75	BLACK

Standard Lenth	10 MTR	33FT	11 YARD
Standard Width	1.2/1.4/1.5 MTR	4/4.6/4.92 FT	1.33/1.53/1.64 YARD

NOTE	1- Sheet Can be Supplied With 1 or 2 Ply intertion/s in Cotton, Nylon, Polyester, Glass Fibre etc. 2- One Side or both side Smooth or Fabric finish or buffed finish can be supplied. 3- Specifications are subject to change without notice.
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