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# RUBBER RAW MATERIAL

# BROCHURE

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# About Us

Tradeasia International Pte. Ltd. is a privately owned, independent company headquartered in Singapore. We are a global trading organization providing integrated chemical procurement services with certainty and trust, which makes Tradeasia unique.



Tradeasia International was setup with the sole intention of carrying out chemical distribution services especially to commodity industries in many parts of the world. Today, Tradeasia International represents a growing number of businesses that are serving a variety of markets. We source and supply about 500-600 containers monthly to our customers worldwide.

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**Locations**

50+

**Suppliers**

500+

**Products**

400+

**Clients**



# About Rubbertradeasia

Rubbertradeasia is Tradeasia International's rubber raw material marketplace. Our platform provides a wide range of raw materials for the rubber industry across the world. Our goal is to link customers anywhere in the world with top rubber raw material producers for a seamless and secure trade to fulfill our customers' needs.

To be a reliable and trustworthy partner in the global supply chain of rubber raw material, we strive to provide an eligible marketplace to ensure top-quality rubber raw material and services through effective supply chain solutions while providing profitable and sustainable growth to all our customers.

We value trust, integrity, commitment, and partnership through an effective solution-oriented management system.



# Technically Specified Rubber (TSR)

Natural rubber is obtained from rubber plants that can only be found in tropical climates. The coagulated rubber latex is removed, washed, and dried after being treated to eliminate impurities. Following these operations, the dry material is baled and palletted for storage and transportation.

Technically Specified Rubber, also known as TSR, is block rubber produced by coagulating latex from rubber trees and then processing it further to remove excess water and impurities. The properties of TSNR are determined by the specific manufacturing process used and the quality of the latex used as raw material. TSNR is typically characterized by its high purity, low levels of impurities, and consistent physical and chemical properties.

## Specifications:

Property	Unit	TSR L	TSR 10	TSR 20
		SIR 3L	SIR 10	SIR 20
Dirt	% wt	0.03	0.10	0.20
Ash	% wt	0.50	0.75	1.00
Nitrogen	% wt	0.60	0.60	0.60
Volatile Matter	% wt	0.80	0.80	0.80
Initial Plasticity	-	30	30	30
Plasticity Retention Index	-	75	60	50
Mooney Viscosity, ML (1' + 4') 100°C	-	N/A	N/A	N/A

## Applications:



### Rubber Products Manufacture

TSNR is used in a wide range of applications, including the manufacture of tires, rubber mats, footwear, and other rubber products that require high quality and consistent properties.



### Healthcare Industry

The high purity of TSNR also makes it suitable for use in medical applications, such as surgical gloves and other medical devices.

Category: Natural Rubber

# Ribbed Smoked Sheet

Ribbed smoked sheet is natural rubber that is derived from the latex sap of *Hevea brasiliensis*. The name "Ribbed" refers to the unique texture of the rubber sheets, which have a ribbed or corrugated surface intended to improve the grip of the rubber and make it more suitable for use in applications that require a high degree of traction. The "Smoked" part of the name refers to the fact that the rubber sheets are dried using smoke to remove excess moisture from the rubber sheets and also helps to prevent the growth of mold and other microorganisms.

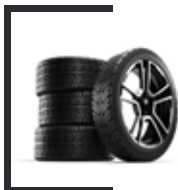


HS Code	: 4001.21.00
CAS No.	: 9006-04-6
Origin	: Indonesia
Packaging	: 113 kg/bale

## Specifications:

<b>RSS1</b>	Dry, clean, strong, and sound rubber sheet. Free from blemishes, resinous matter (rust), blisters, sand, dirty packing, and any other foreign matter.
<b>RSS2</b>	Dry, clean, strong, and sound rubber sheet. Free from blemishes, blisters, sand, dirty packing, and any other foreign matter. However, there are slight resinous matter (rust) and slight amounts of dry mold on wrappers, bales surfaces, and interior sheets not more than 5%.
<b>RSS3</b>	Dry and strong rubber sheet. Free from blemishes, blisters, sand, dirty packing, and any other foreign matter. However, there are slight resinous matter (rust) and slight amounts of dry mold on wrappers, bales surfaces, and interior sheets not more than 10%.

## Applications:



### Tire Industry

Ribbed Smoked Sheet can be used as tire raw material.



### Footwear Industry

Ribbed Smoked Sheet can be used as shoe soles.



### Tube Industry

Ribbed Smoked Sheet can be used as rubber tubes.

# Styrene-Butadiene Rubber (SBR)

Styrene-Butadiene Rubber (SBR) consists of about 25% styrene, with butadiene making up the rest. It has similar properties like natural rubber. This rubber is a widely used synthetic rubber known for its abrasion resistance, high tensile, impact strength, and resilience. It's flexible in low temperatures has decent heat resistance as well. SBR is water, organic acid, ketone, chemical, alcohol, and aldehyde resistant.



HS Code : 400219  
 CAS No. : 9003-55-8  
 Origin : Russia  
 Packaging : PE wrapping film (Vicat softening point  $\leq 95^{\circ}\text{C}$ );  
 Metal or Plywood container 1.26 MT,  
 Cardboard Box 0.54 MT

## Specifications:

Property	Unit	Value
Appearance	-	Bale from light-yellow to light-brown color; weight of a bale $30 \pm 1\text{kg}$
Mooney Viscosity MML 1+4 (100°C)	UM	51 - 58
Organic Acids	% wt	5.0 - 7.0
Organic Acids Soap	% wt	$\leq 0.30$
Bound Styrene	% wt	$23.5 \pm 1$
Volatile Matter	% wt	$\leq 0.8$
Ash	% wt	$\leq 0.5$

## Applications:



### Automotive Industry

SBR is used in light application automotive tires and parts, including drive couplings. It is used in tire products which also includes tread rubber.



### Industrial Applications

In industrial application, SBR is used to protect wire and cable insulation, haul-off pads, roll covers and hoses. SBR is used in rubber gaskets for metal adhesion and abrasion.



### Other Applications

SBR is also included in shoe soles, carpet backing adhesive, and in molded rubber goods.



# Butyl Rubber (BR)



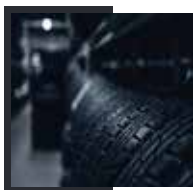
Butyl rubber is an elastomeric polymer used widely in adhesives and sealants, both as primary binders and as tackifiers and modifiers. Butyl rubber is a copolymer of isobutylene with a small amount of isoprene. These materials have relatively low strength and tend to exhibit creep under load. They are useful in packaging applications where their low permeability to gases, vapors, and moisture can be exploited.

HS Code : 40023100  
 CAS No. : 9010859  
 Origin : China  
 Packaging : PE wrapping film (Vicat softening point  $\leq 95^{\circ}\text{C}$ ); Metal Containers (1.26 MT)

## Specifications:

Property	Unit	Value
Appearance	-	Bale from white to light amber color; weight of a bale $30 \pm 1\text{kg}$
Color	-	White to yellow
Flash Point	$^{\circ}\text{C}$	$310 \pm 15$
Density (at $20^{\circ}\text{C}$ )	$\text{g}/\text{cm}^3$	0.90 - 0.92
Solubility (water) at $25^{\circ}\text{C}$	$\text{mg}/\text{l}$	Insoluble
Auto Ignition	$^{\circ}\text{C}$	$425 \pm 15$

## Applications:



### Automotive Tires

Butyl rubber is used in car tires and inner tubes. It can make more durable tubeless tires with an inner liner that is chemically attached to the tire body.



### Healthcare Industry

Butyl rubber is extensively used in pharmaceutical rubber items including closures and infusion container seals. Butyl rubber pharmaceutical stoppers and seals are clean and waterproof.



### Industrial Applications

Butyl rubber is perfect for hoses and gaskets. Condenser packaging and conveyor belts also use it.



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