



SAMSARA RUBBER RECLAIMERS LLP



RECYCLE FOR A GREENER TOMORROW!

COMPANY PROFILE

Samsara Rubber Reclaimers LLP are the leading Manufacturers, Suppliers and Exporters of good quality **High Tensile Natural and Synthetic Reclaim Rubber** in India with a tensile strength of upto **15MPA**.

Our modernized standard workshops and advanced in-house testing apparatus along with competent team of rubber technologists, not only make our craftsmanship achieve international levels of sophistication, but also make us a fast pace growing organization. Driven by design criteria, we focus on the total lifecycle cost so as to ensure maximum value to our esteemed customers.

The company operates its processes complying with the requirements of **Quality Management System, Environment Management System** and **Health and Safety Management System** as per **ISO 9001:2015, 14001:2015 & OHSAS 18001:2007** respectively duly certified by competent agencies. The products are produced to comply with requirements of European Union countries and are **REACH compliant**.

To continuously innovate and apply environment friendly technologies for conversion of waste into value added products with the aim to maximize stakeholder value.

To create a world where recycling, reusing and reducing usage of natural resources will be the norm and manufacturing will be more environmentally benign.

OUR VALUES

OUR MISSION

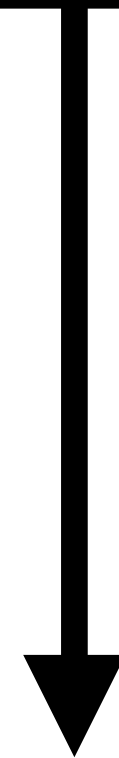
To become the largest fully integrated waste tire recycling company in India and amongst the top 10 in the World.

To be the preferred source of recycled rubber that meets the highest standards of purity, while eliminating waste and promoting the concept of reclamation and reuse.

OUR PRODUCTS



**HIGH TENSILE
RECLAIM RUBBER**



**NATURAL
RECLAIM RUBBER**



**BUTYL
RECLAIM RUBBER**



**EPDM
RECLAIM RUBBER**



**SYNTHETIC
RECLAIM RUBBER**

GRADES

**SAMSARA
HT10**

**10
MPA**

**SAMSARA
HT12**

**12
MPA**

**SAMSARA
HT15**

**15
MPA**

**SAMSARA
BR80**

**80
MESH**

**SAMSARA
EP110**

**110
MESH**

**SAMSARA
EP80**

**80
MESH**

HIGH TENSILE RECLAIM RUBBER

Samsara Rubber Reclaimers LLP manufacture **High Tensile Reclaimed Rubber** of tensile strength upto **15MPA** in house. This type of rubber is made from the end of the tyre and the thread's peeling obtained from end-of-life truck and bus radial tyres. We manufacture this in 3 different Grades as per customer requirements. This type of reclaimed rubber is suitable for multiple purposes.

FEATURES

- ◆ **Reduced Mixing cycle time enables Higher Production Rate**
- ◆ **Reduced Sheet Deformation**
- ◆ **Reduced Energy Consumption**
- ◆ **Ensures Low Reversion Rate**
- ◆ **Better Penetration of Compound into Fabric**
- ◆ **Faster Extrusion Rate**
- ◆ **Reduced Shrinkage and Minimized Crown Effect**
- ◆ **Less Die Swelling Resulting in Smoother Extrusion**

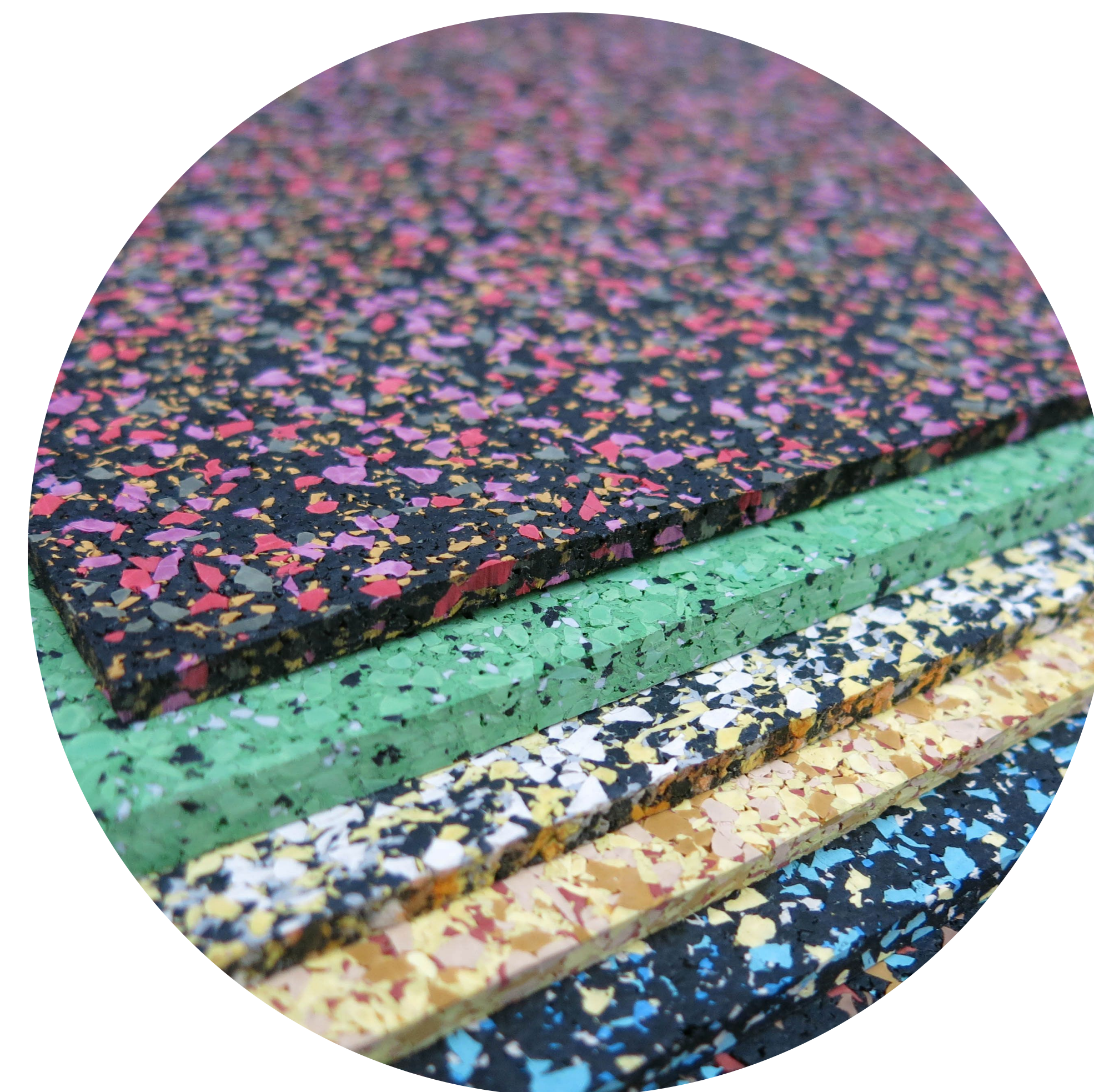
APPLICATIONS



TYRES



CONVEYOR BELTS



RUBBER MATTING



MOLDED GOODS

TECHNICAL SPECIFICATIONS

PROPERTIES	UNITS	TEST METHOD	SAMSARA - HT10	SAMSARA - HT12	SAMSARA - HT15
PHYSICAL PROPERTIES					
MOONEY VISCOSITY	ML(1+4)@100°C	ASTM D1646 / IS 6306	50 - 60	50 - 60	50 - 60
HARDNESS	Shore A	ASTM D2240 / IS 6306	55 - 65	55 - 65	55 - 65
TENSILE STRENGTH	kg/cm ²	ASTM D412 / IS 6306	100 Min.	120 Min.	150 Min.
ELONGATION AT BREAK	%	ASTM D412 / IS 6306	350 Min.	400 Min.	450 Min.
SPECIFIC GRAVITY	gm/cc	ASTM D297 / IS 6306	1.14 ± 0.03	1.14 ± 0.03	1.14 ± 0.03
CHEMICAL PROPERTIES					
CARBON BLACK	%	ASTM E1131 / IS 6306	18 - 27	18 - 27	18 - 27
ASH CONTENT	%	ASTM D297 / IS 6306	9 Max.	8 Max.	7 Max.
ACETONE EXTRACT	%	ASTM D297 / IS 6306	14 ± 3	14 ± 3	14 ± 2.5
VOLATILE MATTER	%	-	1 Max.	1 Max.	1 Max.
RUBBER HYDROCARBON	%	ASTM E1131 / IS 6306	47 Min.	47 Min.	47 Min.

BUTYL RECLAIM RUBBER

Samsara Rubber Reclaimers LLP is a well reputed Manufacturer, Supplier and Exporter of high quality and high tensile strength **Butyl Reclaim Rubber** manufactured from waste butyl inner tubes of trucks.

Butyl Rubber is a synthetic rubber, a copolymer of isobutylene with isoprene. Generally it's called as **IIR**, which stands for **Isobutylene Isoprene Rubber**. Butyl rubber is known for its excellent impermeability to gases, weather resistance, and low permeability to liquids.

FEATURES

- ◆ **Faster Mixing and Extrusion**
- ◆ **Low Heat Build-up in Processing**
- ◆ **High Rate of Curing**
- ◆ **Reduce Power Consumption**
- ◆ **Excellent Ageing Property**
- ◆ **Low Thermo Plasticity**

APPLICATIONS



BUTYL INNER TUBES



TIRE INNER LINER



ADHESIVES



CABLES

TECHNICAL SPECIFICATIONS

PROPERTIES	UNITS	TEST METHOD	SAMSARA - BR80
PHYSICAL PROPERTIES			
MOONEY VISCOSITY	ML(1+4)@100°C	ASTM D1646 / IS 6306	50 - 60
HARDNESS	Shore A	ASTM D2240 / IS 6306	50 - 60
TENSILE STRENGTH	kg/cm ²	ASTM D412 / IS 6306	80 Min.
ELONGATION AT BREAK	%	ASTM D412 / IS 6306	450 Min.
SPECIFIC GRAVITY	gm/cc	ASTM D297 / IS 6306	1.14 ± 0.03
CHEMICAL PROPERTIES			
CARBON BLACK	%	ASTM E1131 / IS 6306	20 - 25
ASH CONTENT	%	ASTM D297 / IS 6306	10 Max.
ACETONE EXTRACT	%	ASTM D297 / IS 6306	14 ± 3
VOLATILE MATTER	%	-	1 Max.
RUBBER HYDROCARBON	%	ASTM E1131 / IS 6306	47 Min.

SAMSARA - BR80 GRADE : SUPERFINE GRADE, 80 MESH

EPDM RECLAIM RUBBER

Samsara Rubber Reclaimers LLP is a well reputed Manufacturer, Supplier and Exporter of high quality and high tensile strength **EPDM Reclaim Rubber** manufactured from EPDM factory reject profiles.

EPDM (ethylene propylene diene monomer) is an M-Class synthetic rubber under ASTM standard D-1418 that is used in many applications. EPDM rubber is a terpolymer made from ethylene, propylene, and a diene comonomer that enables cross-linking via sulfur vulcanization.

FEATURES

- ◆ Excellent Heat, Ozone, and Weather Resistance
- ◆ Replaces virgin EPDM & Helps in Costs Reduction
- ◆ Good Electrical Resistivity
- ◆ Faster Mixing & Extrusion
- ◆ Good Resistance to most Water-Based Chemicals
- ◆ Stable, Saturated Polymer Backbone Structure

APPLICATIONS



AUTO TUBES & HOSES

EPDM PROFILES

OIL SEALS & GASKETS

INSULATION SHEETS

TECHNICAL SPECIFICATIONS

PROPERTIES	UNITS	TEST METHOD	SAMSARA - EP80 / EP110
PHYSICAL PROPERTIES			
MOONEY VISCOSITY	ML(1+4)@100°C	ASTM D1646 / IS 6306	30 - 45
HARDNESS	Shore A	ASTM D2240 / IS 6306	50 - 60
TENSILE STRENGTH	kg/cm ²	ASTM D412 / IS 6306	80 Min.
ELONGATION AT BREAK	%	ASTM D412 / IS 6306	350 Min.
SPECIFIC GRAVITY	gm/cc	ASTM D297 / IS 6306	1.14 ± 0.03
CHEMICAL PROPERTIES			
CARBON BLACK	%	ASTM E1131 / IS 6306	20 - 25
ASH CONTENT	%	ASTM D297 / IS 6306	12 Max.
ACETONE EXTRACT	%	ASTM D297 / IS 6306	25 ± 5
VOLATILE MATTER	%	-	1 Max.
RUBBER HYDROCARBON	%	ASTM E1131 / IS 6306	30 Min.

SAMSARA - EP110 GRADE : SUPERFINE GRADE, 110 MESH

SAMSARA - EP80 GRADE : GENERAL GRADE, 80 MESH

SAMSARA RUBBER RECLAIMERS LLP

SAVING THE PLANET, ONE TYRE AT A TIME!



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