



COMMITMENT & QUALITY

STAR POLYMERS INC.

Pioneers In Quality Reclaim Rubbers



- Natural Tyre Reclaim - 3 grades
- White Latex Reclaim - 6 grades
- High Tensile Natural Reclaim - 6mpa to 10mpa
- Odourless Natural Reclaim
- EPDM Reclaim
- Butyl Reclaim
- Natural Tube Reclaim
- Crumb Rubber
- Carbon Black Sweep



About

A leading name in RECLAIM RUBBER manufacturing since 1985 which stands for Quality, Commitment And Consistency.

We are pioneers in this field with latest Plant & Machinery, manufacturing 18 grades of Reclaim Rubbers.

We have two Ultra-Modern manufacturing plants with combined annual capacity of 19000 Metric Tons.

We are one of the very few Manufacturers in India producing High Tensile Reclaim Rubber

(up to 10 Mpa in very Low Mooney viscosity) and White Reclaim (up to 12 Mpa Tensile in Low Mooney Viscosity).

All Our Reclaim Rubber Grades are REACH Compliant and pAHS Certified.

Natural Tyre Reclaim

We manufacture Quality Natural Tyre Reclaims conforming to International standards. Natural Tyre Reclaims is Recycled out of Worn Out Tyres : both Radial based & Nylon based. We make the standard three Grades 444 (Coarse), 555 (Medium) & SF (Superfine)

PROPERTIES	UNITS	GRADES : SF, 555, 444
RHC BY DIFFERENCE	MIN	51
ASH	%	7±2
ACETONE EXTRACTION	%	15±2
CARBON BLACK	%	25±2
HARDNESS SHORE A	NO.	60±2
SPECIFIC GRAVITY	GM/CC	1.14 ±0.02
ELONGATION AT BREAK	%	290
TENSILE STRENGTH	KG/CM ²	45



White/Latex Reclaims

We are the pioneers in the production of white /latex reclaim rubber in North India. We have 6 Grades in this ranging from 90% Pure RHC content to 55% RHC content.

PROPERTIES	UNITS	PR SHEET GRADE	BR GRADE	AX GRADE	XLM GRADE	VVX GRADE	XY GRADE
RHC BY DIFFERENCE	%	55±3	60±3	75±3	80±3	87±3	91±3
ASH	%	44±3	39±3	24±3	19±3	12±3	8±3
ACETONE EXTRACTION	%	1±0.5	1±0.5	1±0.5	1±0.5	1±0.5	1±0.5
SP. GRAVITY	GM/CC	1.35±0.05	1.30±0.05	1.18±0.05	1.15±0.05	1.01±0.05	1.00±0.01



High Tensile Reclaim (6-10 MPA)

High Tensile Reclaim is a high quality reclaim manufactured for products requiring enhanced Tensile Strength. High Tensile Reclaims help in enhancing the physical properties of the compound. We make High Tensile Reclaims from 6mpa Tensile upto 10mps Tensile.

PROPERTIES	UNITS	HT-60	HT-70	HT-80	HT-90	HT-100
ASH	%	7±2	7±2	7±2	7±2	7±2
ACETONE	%	15±2	15±2	15±2	15±2	15±2
CARBON BLACK	%	25±2	25±2	25±2	25±2	25±2
RHC	%	50±2	50±2	50±2	50±2	50±2
SPECIFIC GRAVITY	GM/CC	1.15±.02	1.15±.02	1.15±.02	1.15±.02	1.15±.02
HARDNESS SHORE A	NO.	60±2	60±2	60±2	60±2	60±2
TENSILE STRENGTH	KG/CM ²	60±3	70±3	80±3	90±3	100±3
	MPA	6±.20	7±.20	8±.20	9±.20	100±.20
ELONGATION AT BREAK	%	250±20	260±20	270±20	290±20	290±20



Odourless Reclaim

We produce Odourless Reclaim with low liner shrinkage.
Our Odourless Reclaim is highly preferred in EU Region and North America

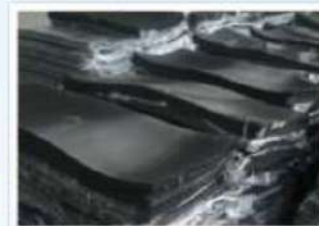
TENSILE STRENGTH (KG/CM ²)	SPECIFIC GRAVITY (GM/CC)	ELONGATION AT BREAK (%age)	HARDNESS SHORE A (A)	ASH (%age)	ACETONE EXTRACTION (%age)	RHC BY DIFFERENCE (Min.)	CARBON BLACK (%age)	MOONEY VISCOSITY
55-60	1.14±0.02	280	60±5	7±2	15±2	51	25±2	ML (1+4) at 100° C: 35±7



EPDM Reclaim

We are manufacturing EPDM using high quality factory rejects of microwave cured EPDM profiles, rubber beadings and other moulded and extruded products:

TENSILE STRENGTH (KG/CM ²)	SPECIFIC GRAVITY (GM/CC)	ELONGATION AT BREAK (%age)	HARDNESS SHORE A (A)	ASH (%age)	ACETONE EXTRACTION (%age)	RHC BY DIFFERENCE (Min.)	CARBON BLACK (%age)
60	1.15±0.03	375	55±5	12±2	30±5	31	25±2



Butyl Reclaim

Butyl Reclaim is recycled out from butyl rubber tube scrap. STAR Butyl Reclaim is unique product with minimum Tensile Strength of 8.0mpa. Its main applications are : Butyl Inner Tubes, Butyl Cables outer cover, Adhesives etc.

TENSILE STRENGTH (KG/CM ²)	SPECIFIC GRAVITY (GM/CC)	ELONGATION AT BREAK (%age)	HARDNESS SHORE A (A)	ASH (%age)	ACETONE EXTRACTION (%age)	RHC BY DIFFERENCE (Min.)	CARBON BLACK (%age)
80	1.11±0.02	480	52±4	4±2	9±3	54	25±2



Natural Tube Reclaim

Natural Tyre reclaim is recycled out of Natural Rubber Tube Scrap. The vulcanization properties of our natural tube rubber make it particularly suitable for variety of natural rubber tube products.

TENSILE STRENGTH (KG/CM ²)	SPECIFIC GRAVITY (GM/CC)	ELONGATION AT BREAK (%age)	HARDNESS SHORE A (A)	ASH (%age)	ACETONE EXTRACTION (%age)	RHC BY DIFFERENCE (Min.)	CARBON BLACK (%age)
50	1.24±0.02	270	60±2	25±3	11±2	40	24±2



Crumb Rubber

Crumb rubber is manufactured from Whole Tyre Scrap
It is available in powder form in 18 mesh size to 60 mesh size.

CARBON BLACK (%age)	MOISTURE (%age)	ASH (%age)	ACETONE EXTRACTION (%age)	RHC BY DIFFERENCE (Min.)
25	1.5±1	7±2	15±2	52



Carbon Black Sweep

At SPI we have dedicated team to source sweep of carbon units of tyre manufacturing companies. With similar properties as first grade carbon, carbon black sweep is used in every black rubber compound due to its cost effectiveness.

MESH SIZE (Mesh)	DBP ABSORPTION Mg/gm	MOISTURE CONTENT (%age)	HEATING LOSS (105 °C)	ASH (%age)	PH (1% SOLUTION)
150-200	92±2	1	1%	10±2	6±2





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