



COMMITMENT & QUALITY

# STAR POLYMERS INC.

*For All Rubber Reclamation Needs*



- Reclaiming Agent (RA)
- Pinetar-HT
- Coaltar
- Gum Rossin
- Black Rossin



# About

We are a leading supplier of Reclaiming Agents and allied materials to the Reclaim Rubber Industry since 1985. Today our name stands for quality, commitment and growth. .

Our Reclaiming Agents and allied materials are manufactured in accordance to internationally recognized quality standards and are suitable for different applications in Reclaim Rubber Industry.

We have Strategically placed Warehouses in Mumbai & Punjab along with a fleet of trucks for handling Timely logistics.

## Reclaiming Agent

It is a mixture of alkyl phenol compounds, widely used in the rubber powder's devulcanization process in Reclaim Rubber production. We are one of the largest suppliers of highly effective odorless rubber regeneration activator (RA). We are Sole Agents for Anhui Jinma Rubber Additives Co., Ltd. China. (One of the largest Reclaiming Agent (RA) manufacturing company across the globe.)

Rubber Reclaiming Agent is used for breaking the crossed linkage between sulfur elements & rubber elements on high temperature & pressure, resulting in high tensile strength and reduced Mooney viscosity.

The most popular and widely used grade is RA-480.

RA 480 is preferred over all other RA's due to following benefits:

- Minimum possible dosage in Rubber-0.30%.
- It improves the tensile strength of Reclaim Rubber by over 10% more than other RA's.
- Reduces the mooney viscosity of Reclaim Rubber .
- Shortens the devulcanizing time and improve Reclaimed Rubber Overall quality.
- Our RA-480 reduces the autoclave timing to a large extent that too at lower temperature, also resulting in saving of power consumption, reduced fuel intake, reduces process timing, improve efficiency of Rubber Reclaiming Plant

| PROPERTIES             | UNITS  | RA-480  |
|------------------------|--------|---------|
| TOTAL SULPHUR CONTENT  | (%age) | 12±1    |
| INTEGRATION SULPHUR    | (%age) | 11±1    |
| PH VALUE               | NO.    | 6.8±0.1 |
| HEAT LOSS@180'C 1 HOUR | (%age) | 2±1     |
| AS UNDER SULPHUR       | (%age) | 1.5±0.5 |
| FLASH POINT            | °C     | 185±5   |
| VISCOSITY              |        | 35-45   |
| SPECIFIC GRAVITY       | °C     | 1:1.05  |



## Pinetar (H.T.)

Pinetar HT is a sticky material produced by the high temperature carbonization of pine wood in anoxic conditions (dry distillation or destructive distillation). Pinetar H.T is used only in making High Tensile Reclaim Rubber & hence the alphabets H.T in its name..

| PROPERTIES       | UNITS         | PRODUCT 8011-48-1 |
|------------------|---------------|-------------------|
| FLASH POINT      | °C            | 130-150           |
| VISCOSITY        | REDWOOD-1     | 1500-1700         |
| SPECIFIC GRAVITY | GM/CC         | .970 TO .990      |
| ASH CONTENT      | %             | LESS THAN 0.50    |
| ROSIN CONTENT    | by difference | 60±3              |
| PH VALUE         | NO.           | 7 (NEUTRAL)       |
| VOLATILE CONTENT | %             | 4±0.5             |



## Coaltar (Dehydrated)

Coaltar is a thick dark liquid which is a by-product of coke and coal gas produced from coal. It is a complex mixture of phenols, polycyclic aromatic hydrocarbons (PAHs) and compounds.

| PROPERTIES       | UNITS | DEHYDRATED GRADE       |
|------------------|-------|------------------------|
| SPECIFIC GRAVITY | GM/CC | 1.10 to 1.20 (at 40 C) |
| SOFTENING POINT  | °C    | 55-60                  |
| MELTING POINT    | °C    | 65-85                  |
| FIXED CARBON     | %     | 55-60                  |
| MOISTURE         | %     | 1 (MAX)                |
| SULPHUR CONTENT  | %     | NIL                    |
| ASH              | %     | 1 (MAX)                |



## Gum Rosin

Gum Rosin is used in making High Tensile Reclaim Rubber. It increases the Tensile Strength of Reclaim Rubber and gives elasticity to Reclaim.

| PROPERTIES                     | UNITS | GUM ROSSIN |
|--------------------------------|-------|------------|
| SOFTENING POINT                | °C    | 77.5 (MIN) |
| IMPURITY/SOLUBILITY IN TOLUENE | %     | 0.5 (MAX)  |
| ACID VALUE                     | NO.   | 170-190    |
| SAPONIFICATION VALUE           | NO.   | 180-210    |
| IODINE VALUE                   | NO.   | 5-15       |
| ASH CONTENT                    | %     | ≤0.01      |
| VOL;ATILE OIL CONTENT          | %     | 0.9        |



## Black Rosin

It is a low cost alternative to Gum Rosin with similar properties & results. It is used in making High tensile reclaim rubber and gives excellent results same as Gum Rosin.

| PROPERTIES      | UNITS | BLACK ROSSIN |
|-----------------|-------|--------------|
| SOFTENING POINT | °C    | ≥80          |
| ASH CONTENT     | %     | ≤3           |
| ROSSIN CONTENT  | %     | 75           |
| WATER CONTENT   | %     | ≤1           |





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## STAR POLYMERS INC.

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### Punjab Warehouse:

V.P.O. Mudhal (Outside Octroi),  
Verka, Amritsar  
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### Mumbai Warehouse:

Gala no, C-9, Mayashree Compound,  
Opp. Priti petrol pump, Purna village,  
Bhiwandi, Mumbai.