

## TECHNICAL DATA SHEET

**Issue No**  
**002/03**

**Revision Date**  
**01.12.2022**

**Product Name:**  
RUBBOND® RSA

### Classification

Dry Bonding Agents  
Resorcinol Donor / Methylene Acceptor  
Homogenous melt of Resorcinol & Fatty Acid

### Composition

Resorcinol and Stearic Acid Melt

### Physical Properties:

| Parameter          | Specification                         |
|--------------------|---------------------------------------|
| Physical form      | Off white grey to reddish brown flake |
| Sp. Gravity @25 °C | 1.20±0.05                             |

### Chemical Properties:

| Parameter                            | Specification | Test Method |
|--------------------------------------|---------------|-------------|
| Softening Point , °C                 | 90 – 110      | D6493 / E28 |
| Active content*, %                   | 66 ± 2        | RCPL T-02   |
| Loss on heating, %<br>(2hrs, @70 °C) | 0.50 Max      | D4571       |
| Ash content, %<br>(2hrs, @550 °C)    | 0.10 Max      | D4574       |

### Solubility

Alcohol : Soluble  
Petroleum Ether : Partly soluble  
Water : Partly soluble

### Storage Properties

Stable for one year under normal storage conditions

### Processing Behavior

Readily disperses in rubber under normal processing conditions. It is recommended for use in stock master batch in multistage mixing.

### Recommended Dosage

RUBBOND® RSA 4-5 phr  
HMMM (65% active content) 4-5 phr

### Advantages

1. Easy Handling
2. Easy Dispersion in compound

\* Other grades with 50%, 75% & 80% active matter is also available.

### Technological Properties

RUBBOND® RSA has been successfully designed to meet the stringent need of cord– rubber properties of tyre and non tyre Ind. It offers a balanced combination of good adhesion and excellent flex fatigue resistance in conjunction with methylene donors like Hexa Methylene Tetramine and Hexa Methoxy Methylol Melamine Resin through formation of an in– situ resin.

### Handling Precaution

Normal precaution to avoid contact with skin and eyes should be followed.  
Skin contamination: Wash liberally with soap and water.  
Eye contamination: Immediately wash out thoroughly with plenty of clear water for at least 15 minutes. Refer MSDS for more details

### Packaging

25 kg in HDPE laminated paper bag.

### Shelf Life

12 months from the date of manufacturing.

### REACH Compliance:

Material is meeting the REACH compliance

### Note:

Information in this publication is believed to be accurate and is given in good faith, but it is for the customer to satisfy itself of the suitability for its own particular purpose. TWPL gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that law prevents such exclusion.

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