



# RUBBOND® RR95

## TECHNICAL DATA SHEET

**Issue No**  
**003/04**

**Revision Date**  
**01.10.2022**

### Product

RUBBOND® RR95

### Classification

Reinforcing Phenolic Resin  
Reinforcing Phenol Formaldehyde Resin

### Composition

Tall Oil modified Thermoplastic phenol – formaldehyde (PF) resins supplied forms of pastille materials

### Physical properties

Form : Brown Pastille  
Sp. Gr. @ 25°C : 1.16 ± 0.02

### Chemical Properties

Resin	Rubbond RR-95
Modifier	Tall Oil
Softening Point (°C, R&B 2°C/Min)	90 - 105
Moisture Content (KF, %)	0.5 Max
Ash Content (% ,950 °C)	0.5 Max

### Applications

RUBBOND® RR95 resin could be used as reinforcing agents for rubber compounds containing natural rubber (NR), styrene-butadiene rubber (SBR), butadiene rubber (BR), nitrile-butadiene rubber (NBR), ethylene propylene diene monomer (EPDM) rubber and chloroprene (CR) rubbers for the manufacture of treads and sidewalls of tires, window sealing strips of cars, rubber rollers, floor coverings, brake linings, oil-resistant seals, heels and soles of shoes, hard hose materials, and typewriter / paper platen rollers.

As a reinforcing material, the use of RUBBOND® RR95 resin in rubber compounds can improve the hardness, tear resistance, abrasion resistance, tensile strength, reduced Mooney viscosity and prolonged scorch time properties. CNSL, tall oil and alkyl-phenol modified resins are expected to have better compatibility with rubber compounds so that accelerated filler dispersions with improved processability of rubbers could be achieved.

### Use in Rubber Compounds

RUBBOND® RR95 resin should be used along with another methylene donor, such as hexamethylenetetramine (HMT) or hexamethoxymethylmelamine (HMMM), in the rubber compounding applications. In order to achieve an optimum reinforcement in rubber compounds, these reinforcing resins should be added at a level of about 5 - 15 weight %.

In the rubber compound mixing process, to avoid pre-vulcanization and also, to achieve good scorching property, RUBBOND® RR resins (as methylene acceptors) should be added during the first stage of mixing. The methylene donors, such as HMT or HMMM, should be added together with sulfur and accelerators at the final mixing stage.

### Packaging

25 Kg (Net weight) in paper bags

### Shelf Life

1 Year from the date of manufacture under the normal storage conditions

### Storage

Store in a cool and dry storage area in original sealed container

### REACH Compliance:

Material is meeting the REACH compliance.

### Health and Safety Information

Before handling this material:

- Refer to the Safety Data Sheet (SDS) prior to use
- Wear gloves, safety glasses and dust masks
- In the case of skin contact, wash with soap and water.

**IMPORTANT!** The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. No warranty or guaranty, express or implied is made regarding performance stability or otherwise. This information is not intended to be all inclusive as the manner and conditions of use, handling, storage and other factors may involve other and additional safety and performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer.

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