RUBBOND® RR95H

TECHNICAL DATA SHEET

Issue No
002/03

Revision Date
01.12.2022

Product
RUBBOND® RR95H

Classification
Reinforcing Phenolic Resin
Reinforcing Phenol Formaldehyde Resin with Hexa Methylene Tetramine

Composition
Tall Oil modified Thermoplastic phenol – formaldehyde (PF) resins with Hexa Methylene Tetramine

Physical properties:

Parameter	Specification
Physical Form	Light to Tan Powder

Chemical Properties:

Parameter	Specification	Test Method
Sp. Gravity @25 °C	1.18±0.05	D1817
HMT Content, %	6.5-8.5	IS4306 RCPL T-07
Melting Point, °C (Initial)	70-85	D1519
Sieve Analysis, % (Thru 100 Mesh)	99 Min	D4572
Hot Plate Cure @165 °C, (Sec.)	20-40	D4640

General Recommendations
Recommended for use in SBR Rubber. Compatible in SBR Rubber to the extent of 10-15 parts per hundred. This amount of resin will act as an effective plasticizer during processing and will contribute strongly to hardness, stiffness and abrasion resistance after cure.

The compatibility of RR95H with SBR Rubber can be greatly increased by using Nitrile Rubber in the formulation. The Nitrile Rubber services as a common solvent or flux.

These recommendations also apply to Natural Rubber and EPDM, and to their blends with SBR. As with most phenolics, RR95H is fully compatible with Nitriles.

Use in Rubber Compounds
RUBBOND® RR95H resin should be used along with another methylene donor such as 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 HMMM, should be added together with sulfur and accelerators at the final mixing stage.

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.

Packaging
25 Kgs. In HDPE laminated in paper bag

Shelf Life
12 Months 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.

RAJSHA CHEMICALS PRIVATE LIMITED
www.twc.in

Works:
Block No.: 637, Lamdapura Road, At. Manjusar
PO: Lamdapura, Ta: Savli, Dist. Vadodara 391 775, India
Tel – +91 9662049271
Email – office@rajsha.com

TWC Group, Corporate Office:
Hi Tech Chambers, 5th Floor, 84/1B Topsia Road (S)
Kolkata 700 046, India
Tel – +91 33 2285 1278 / 1279. Fax - +91 33 2285 1280
E mail – info@twc.in