

RUBBOND® HM 50

TECHNICAL DATA SHEET

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002/03

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Product - Trade Name

RUBBOND® HM50

- Non dusting
- Scorch protection higher than HMT
- Non-toxic and no skin irritation

Classification

Dry Bonding Agents – Methylene Donor
Adhesion Promoter

Principally used as a component of Dry Bonding Agent. It is recommended for use in final mix in case of two stage mixing.

Composition

50% of Hexa Methoxy Methyl Melamine (HMMM)
Coated with Silica
Melamine Formaldehyde Resin
Methylated Melamine Formaldehyde Resin
Modified Melamine Formaldehyde Resin

Application

RUBBOND® HM50 has been successfully designed to meet the stringent needs of cord-rubber properties of tyre and non - tyre industries. It offers a balanced combination of good adhesion and excellent fatigue resistance in conjunction with Methylene acceptors like RUBBOND®/TECHNIC B19S / B20S through formation of an in-situ resin. The recommended dosage above shows the level for initial evaluations.

Physical properties

Form : Free flowing powder.
Sp. Gr. @ 25°C : 1.41 +/- 0.05

Chemical properties

HMMM content		%	50 ± 1
Ash content	(850°C/ 1hr)	%	45 ± 2
Moisture Content	(Karl Fisher)	%	4.0 max
Loss Of Drying	(105°C/hr)	%	5.0 max
Free Formaldehyde		%	0.1 max
Sieve Residue (Wet)	(100 mesh)	%	0.5 Max

Handling precautions

Irritating to the eyes, respiratory system and skin. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Refer MSDS for complete details

REACH Compliance:

Material is meeting the REACH compliance.

Solubility

Alcohol : Partly soluble
Petroleum Ether : Partly soluble
Water : Insoluble

Packaging

25 kg in HDPE laminated paper bag.

Processing behavior

It is safe in processing both non-black & black reinforced compounds.

Storage properties

Stable for one year, when stored tightly at normal room temperature.

Recommended Dosage

RUBBOND® HM50 : 4 – 5 Phr
RUBBOND® RSA (Resorcinol Dispersions) : 3.5– 4 Phr
TECHNIC RF Resin : 4 – 5 Phr

Shelf Life

12 months from the date of manufacturing.

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. RCPL 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.

Advantages

- Easy Handling
- Easy Dispersion in compound
- Non corrosive effects on coated steel

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