RUBBOND® HM 100

TECHNICAL DATA SHEET

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Product - Trade Name

RUBBOND® HM100

Classification

Dry Bonding Agents – METHYLENE DONOR
Adhesion Promoter

Composition

Hexa Methoxy Methyl Melamine
Melamine Formaldehyde Resin
Methylated Melamine Formaldehyde Resin
Modified Melamine Formaldehyde Resin

Physical properties:

Parameter	Specification
Physical Form	Clear Liquid

Chemical properties:

Parameter	Specification	Test Method
Sp. Gr. @ 25°C	1.20±0.05	D1298
Total Solids, %	98 Min	D4903
Moisture content (Karl Fischer), %	2.0 Max	E203
Refractive Index, 20˚C	1.510-1.530	D1218
Free Formaldehyde, %	0.2 Max.	ISO11402 / D1198
Nitrogen Content	21.5-24.0	D3533
Brookfield Viscosity at 23 °C, cps	2000-6200	D1417

Processing behavior

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

Recommended Dosage

RUBBOND® HM100	2 – 3 Phr
Resorcinol Donor	3 – 4.5 Phr

Advantages

- Easy Handling
- Easy Dispersion in compound
- Noncorrosive effects on coated steel
- Non dusting
- Scorch protection higher than HMT
- Non-toxic and no skin irritation

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

Application

RUBBOND® HM100 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 TECHNIC B19S / B20S through formation of an in-situ resin. The recommended dosage above shows the level for initial evaluations.

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.

Packaging

200 kgs in MS/HDPE drums/1200 Kgs IBC

Storage properties

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

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. implied warranty or condition (statutory or otherwise) is excluded except to the extent that law prevents such exclusion.

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