



RUBBOND® HM 72

TECHNICAL DATA SHEET

Issue No
002/03

Revision Date
01.10.2022

Product - Trade Name

RUBBOND® HM72

Classification

Dry Bonding Agents – METHYLENE DONOR
Adhesion Promoter

Composition

72% of Hexa Methoxy Methyl Melamine Coated
with Silica
Melamine Formaldehyde Resin
Methylated Melamine Formaldehyde Resin
Modified Melamine Formaldehyde Resin

Physical properties

Form : Free flowing powder.
Sp. Gr. @ 25°C : 1.40 +/- 0.05

Chemical properties

HMMM content		%	72 ± 1
Ash content	(850°C/ 1hr)	%	26 ± 3
Moisture Content	(Karl Fisher)	%	4.0 max
Loss On Drying	(105°C/hr)	%	5.0 max
Free Formaldehyde	Wt/wt	%	0.1 max
Sieve Residue (Wet)	(100 mesh)	%	0.1 max

Solubility

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

Storage properties

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

Processing behavior

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

Recommended dosage

RUBBOND® HM72 : 4-5.0 phr
TECHNIC B19S (RF Resin) : 3-4.5 phr

Advantages

- Easy Handling
- Easy Dispersion in compound
- Non corrosive 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® HM72 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® RSA / RUBBOND® RS / RF Resin 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

25 kg in HDPE laminated paper bag / Jumbo bag

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.

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