



SHREEBOND-HM 50

TECHNICAL DATA SHEET

Product - Trade Name

SHREEBOND-HM 50

Classification

Dry Bonding Agents -- Methylene Donor
Adhesion Promoter

Composition

65% of Hexa Methoxy Methyl Melamine (HMMM)
Coated with Silica
Melamine Formaldehyde Resin
Methylated Melamine Formaldehyde Resin Modified
Melamine Formaldehyde Resin

Physical Properties

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

Chemical Properties

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

Solubility

Alcohol : Partially soluble
Petroleum Ether : Partially soluble
Water : Partially Soluble

Processing behavior

It is considered as safe in processing for all the type of reinforced compounds.

Recommended Dosage

SHREEBOND- HM50 : 4 – 5 phr
Resorcinol Donor : 3 – 4.5 phr

Advantages

1. It leaves non corrosive impression on coated steel.
2. It is Non dusting
3. It has got simply dispersion in compounds
4. Very easy to handle
5. It is considered as a bonding agent
6. It is generally preferred in last mix in two stage mixing
7. Its non toxic.
8. It does not generate any skin irritation.
9. Also used as a dry component.
10. It is considered as the protection of scorch is higher than HMT.

Application

SHREEBOND- HM50 has been successfully designed to meet demanding and fix requirement of cord rubber properties in all the rubber industry. It provides very good fatigue resistance and adhesion.

Handling Precautions

Need to avoid contact with eyes.
Avoid contact with skin.
Irritating to the eyes.

Packaging

25/ 50 kgs in HDPE bags.

Storage Properties

It is stable for 12 months.

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. SRPL 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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