

TECHNICAL DATA SHEET

Issue No
003/01

Revision Date
01.07.2020

Product

TECHNIC RL

thus no need to add any other Methylene / Resorcinol Donor separately into the rubber compound.

The product is compatible with all rubbers. Best results are obtained with polar rubbers.

Classification

Single Component Dry Bonding Agents.

It gives good bond strength with all fibres like cotton, rayon polyamide and polyester.

Composition

A pre-condensed product mix of Resorcinol, Hexa Methoxy Methylol Melamine (HMMM) and Di Butyl Phthalate

In case of steel cord brass and zinc coated cords, it gives more adhesion than the uncoated cords.

Physical Properties

Form : High Viscous Liquid
Colour : Orange - Red Brown
Sp Gr @ 25°C : 1.20

Due to its liquid form it is mixed homogenously throughout the compound providing uniform adhesion. Curing temperature preferred in between 135 – 170 oC

Chemical Properties

HMMM Content : 45.5 +/- 1.0
Resorcinol Content : 45.5 +/- 1.0
Refractive Index : 1.57 +/- 0.03

Technological Properties (Usage)

TECHNIC RL can be used as a single component Dry Bonding System for bonding different rubber compounds with steel cord, polyamide fibres, polyester and glass cords. It offers a balanced combination of good adhesion and excellent flex fatigue resistance. Typical application includes Conveyor, Hoses, V-Belts & Fabric proofing.

Solubility

Water : Partially soluble
Alcohol : Soluble
Ketones : Partially soluble
Aromatic Solvents : Insoluble

Handling precaution

Standard protective equipment to avoid contact with skin and eyes should be used during handling. May be irritating to eyes and skin. Washing with plenty of water is advised to be followed by a medical check-up. Refer MSDS for more details

Storage Properties & Shelf Life

TECHNIC RL is a high viscous product which has a tendency to solidify on exposure to heat. It must be protected from exposure to direct sunlight and relative humidity. The product should be stored in a cool dry place. The product is stable for 6 months from the date of manufacturing.

Packaging

Pre-packed in 1 kg Eva Pouch or tailor made as per customers requirement.
25 such eva pouches packed in 1 Steel Drum of 25 kgs net weight.

Processing Behavior

It is safe in processing.

Recommended Dosage

Between 3 to 4 phr is normally recommended for the Dry Bonding System.

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. Techno Products India 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

TECHNIC RL is a pre-condensate of Resorcinol, HMMM & Di Butyl Phthalate. It is a single component system,

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