TECHNO WAXCHEM

TECHNIC® RL

TECHNICAL DATA SHEET

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Product
TECHNIC RL

Classification
Single Component Dry Bonding Agents.

Composition
A pre-condensed product mix of Resorcinol and Hexa Methoxy Methylol Melamine (HMMM).

Physical Properties

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

Chemical Properties

Nitrogen Content	: 10 - 12
Refractive Index	: 1.57 +/- 0.03

Solubility

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

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

Processing Behavior
It is safe in processing.

Recommended Dosage
Between 4 to 6 phr is normally recommended for the Dry Bonding System.

Advantages
TECHNIC RL is a pre-condensate of Resorcinol and HMMM. It is a single component system, 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.

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

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

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

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, polyster 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.

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

Packaging
25 kgs net weight packed in Steel / Plastic drums

Shelf LIfe
12 months from the date of manufacturing

Note:
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