TECHNO WAXCHEM

TECHNIC® RDL

TECHNICAL DATA SHEET

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Product
TECHNIC® RDL

Classification
Single Component Dry Bonding Agents.

Composition
A physico-chemical mix of Resorcinol, HMMM (Hexa Methoxy Methylol Melamine) and Precipitate Silica In equal proportion

Physical Properties

Form	: Powder
Colour	: White to Brown
Specific Gravity @ 25°C	: 1.50 +/- 0.05

Chemical Properties

Ash Content	: 27.0 – 33.0
HMMM Content	: 31.0 – 35.0
Nitrogen Content	: 7.0 – 8.4
Free Formaldehyde	: 0.1 max

Solubility

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

Storage Properties & Shelf Life
TECHNIC RDL is mildly hydroscopic and must be protected from exposure to relative humidity. The product should be stored in a cool dry place. The powder is stable for 12 months from the date of manufacturing.

Processing Behavior
It is safe in processing.

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

Advantages
TECHNIC RDL is a physic-chemical mixture of Resorcinol, HMMM & Precipitate Silica in equal proportion. It is a single component system, thus no need to add any other Methylene / Resorcinol Donor separately into the rubber compound.
The product is easy to handle as it is supplied in powder form. It easily gets dispersed in the rubber compounds.
It has low vapour pressure, thus, the fuming and weight loss that occur with processing resorcinol at temperatures above 140oC is substantially reduced with the usage of TECHNIC RDL.

Technological Properties (Usage)
TECHNIC RDL can be used as a single component Dry Bonding System for bonding different rubber compounds with steel cord, polyamide fiber, polyesters 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
Packed in 25 kg net weight HDPE laminated kraft paper bag.

Note:
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