

TECHBOND ZU40

TECHNICAL DATA SHEET

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Product

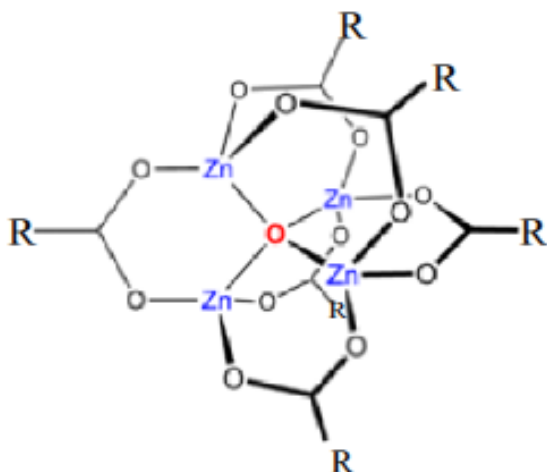
TECHBOND ZU40

Classification

Adhesion Promoter
Non-Cobalt Bonding System
Basic Zinc complex salts for steel cord adhesion
Zinc metal carboxylate salt

Composition

Basic Zinc complex salt dispersed over Precipitate Silica



Plausible Chemical Structure

Physical Properties

| Property | Techbond ZU40 |
|-------------------------|--|
| Appearance | Pale Yellow to White free flowing powder |
| Specific Gravity @ 25°C | 1.48 |
| Ash Content@ 850°C/1h | 54 – 56 |
| Zinc Content (%) | 4 - 5 |
| Moisture Content (%) | 9 - 11 |
| Loss on Drying 105°C/1h | 13 - 15 |

Applications

The proprietary combination of zinc salt of unsaturated fatty acid is designed to give good steel cords adhesion over the conventional cobalt bonding system for radial tires, conveyor belts hoses and other industrial goods. Techbond ZU40 exhibits good steel cords adhesion, physical and mechanical properties in the uncured and cured rubber compositions.

Dosage

Minimum dosage is 3.65 phr.
Suggested to be used in the master-batch stage.

Advantages

Techbond ZU40, zinc complex salts are considered to be lower cost, environmentally friendlier and also non-cobalt based adhesion promoter compounds. It is useful in improving the adhesion of brass coated steel cords.

Storage

The material can be stable for 12 months under the normal storage conditions. However, precautions must be taken to avoid exposure to sunlight and always, store the material in a sealed container under the dry and cool conditions.

Refer MSDS for more details

Shelf Life

12 months from the date of manufacturing

Packing

25 kilo Paper Bags

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. TWPL 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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