TECHNIC® KR140

TECHNICAL DATA SHEET

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Product

TECHNIC® KR140

Classification

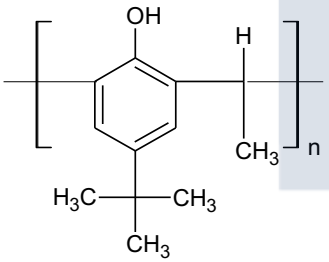
Super Tackifier Resin
Superior Tackifier Resin
Alkylphenol Aldehyde Resin
Modified Phenolic Resin

Composition

Alkylphenol Acetaldehyde Resin
4-(1,1-dimethylethyl)phenol polymer with Ethanal

Technic KR140 is a high performance tackifier resin, which is also categorized as "super tackifier resin'

Chemical Structure of Technic KR140 Resin



Chemical Properties

Property	Technic KR140
Appearance	Yellow - Brown Lump / Pastille
Specific Gravity at 25 °C	1.0 - 1.06
Ash content (750°C/2 Hr.)	1.00%
Softening Point	135 - 150 °C
Moisture Content	0.7% max
Heat loss (105° C/1 Hr.)	0.5 % max
pH (50% Alcohol Solution)	4.0 - 7.0
Zinc Content	0.45 - 0.60
Insoluble in Cyclohexane	1.00%

Applications

Technic KR140 resin could be used as a high performance tackifier resin for the production of bias and radial tires, conveyer belts, V-belts, industrial hoses, cables and roll coverings.

Properties:

- Non-heat reactive high performance alkylphenol – aldehyde novolak type resin capable of providing superior initial and long-term tack retention properties in uncured rubber compounds
- Resin can be used to enhance the tack properties of rubber compounds containing natural and synthetic rubbers, such as butyl rubber (BR), styrene-butadiene rubber (SBR), ethylene –propylene diene monomer (EPDM) rubbers and their blends.
- Resin could either enhance or maintain the uncured / cured rubber compounds physical, mechanical and dynamical mechanical (DMA) properties

Packing

25 kgs HDPE laminated paper bags

Storage & Shelf Life

This material can be stable for 2 years under the normal storage conditions. However, precautions must be taken to avoid exposure to sunlight and always, store this material in a sealed container under the dry and cool conditions.
Refer MSDS for more details

Note:
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