

TECHNICAL DATA SHEET

Issue No
004/01

Revision Date
01.10.2022

Product

TECHNIC® KR140

Classification

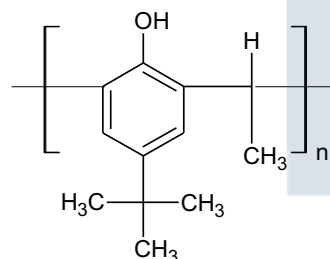
Super Tackifier Resin
Superior Tackifier Resin
Alkylphenol Aldehyde Resin
Modified Phenolic Resin

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:

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.