

TECHNIC TR140

TECHNICAL DATA SHEET

Issue No
002/01

Revision Date
01.06.2017

Product

TECHNIC TR140

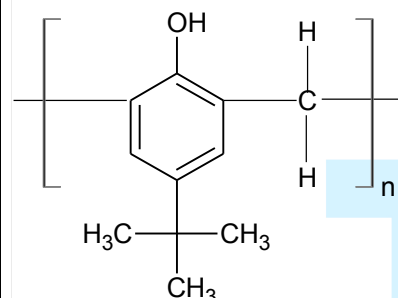
Classification

High Performance Tackifier Resin
p-t-butyl-phenol formaldehyde resin

Composition

Technic TR-140 is a high performance thermoplastic tackifier resin manufactured from p-Tert-Butylphenol (PTBP) and Formaldehyde materials.

Chemical Structure



Chemical Name

4-(1, 1-dimethylethyl) phenol, Formaldehyde Polymer

Physical Properties:

Property	Technic TR140
Appearance	Yellow to Brown Pastille / Flakes
Softening Point	135 - 145
Specific Gravity at 25 °C	1.0 - 1.06
Ash Content (750 °C / 2 Hr)	1.0 (Max)
Heat Loss (105 °C / 2 Hr)	0.5 max
Free PTBP (Wt. %, HPLC)	< 3
pH (50 % Alcohol Solution)	4 - 7
Acid Number (mg KOH / g)	60 - 90
Zinc Content	0.45 - 0.60
Insoluble in Cyclohexane	1.0% max

Properties:

- Non-heat reactive high performance alkylphenol – formaldehyde 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

Applications:

Technic TR-140 resin could be used in the manufacture of high performance bias and radial tires, conveyer belts, V-belts, industrial hoses, cables and roll coverings.

Storage Conditions & 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 on handling.

Packing

25 kgs HDPE laminated 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.

TECHNO WAXCHEM PVT. LTD.

3C, Hitech Chambers, 84/1B, Topsia Road(S), Kolkata – 700 046, WB, India

Tel: +91 33 2285 1278 / 1279, 4004 8093 / 88094

Fax: +91 33 2285 1280. Email – info@twc.in. URL – www.twc.in