

## TECHNICAL DATA SHEET

**Issue No**  
004/01

**Revision Date**  
01.10.2022

**Product**

TECHNIC® TR140

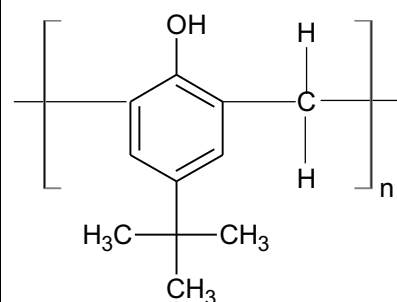
**Classification**

High Performance Tackifier Resin  
Alkylphenol formaldehyde resin

**Composition**

Alkylphenol formaldehyde resin

**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
pH (50 % Alcohol Solution)	4 - 7
Zinc Content	0.45 - 0.60

**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 TR140 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.

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