

# Technic TR100

Manufacturer: Techno Waxchem PVT., LTD.  
 Classification: Alkyl Phenol Formaldehyde Resin  
 CA Nomenclature: Phenolic Tackifier Resin

Specification Properties	Value	Test Method
Acetone Insolubles, %	0.3 maximum	ASTM D 4934
Acid Value (mg/KOH gm)	50-70	TWC-QA-23
Ash Content, % at 750°C/2hr	0.1 maximum	ASTM D 4574
Heat Loss, % at 105°C/1hr	0.5 maximum	ASDM D 4571
Softening Point, °C	95-105	ASTM D 6090
Typical Properties	Value	Test Method
Physical Form	Yellow, Amber to Brown Pastilles	Visual
Specific Gravity	1.0-1.06	Typical

## > APPLICATIONS

**Uses:** Technic TR100 is designed to work as a rubber tackifier giving good initial tack and tack retention. Tack is an important property for fabrication of rubber stocks. Tack or tackiness of the rubber compound is the property which allows two uncured or unvulcanized pieces of rubber to adhere to each other when brought into contact under moderate pressure. Building tack or green tack are the same and often used by rubber processors to describe tackiness of the rubber compounds. The resin has little effect on cure. It is recommended wherever tenacious bonds are necessary especially with synthetic rubber.

Technic TR100 is ideally suited for manufacturing of tires and mechanical rubber goods which require high tack levels. Alkylphenolic resins show excellent tack properties towards natural and synthetic rubber. These resins could be used in the manufacture of tires, industrial hoses, conveyor belts, V-belts, rollers, rubber inner liners, wires and cables.

**Solubility:** Technic TR100 can readily be dissolved in solvents and easily blended in rubber stock.

**Recommended Dosage:** The dosage level of alkylphenolic tackifying resins depends upon the rubber compounds and their application. In general, these resins could be used in 2 to 10 phr level in SBR, BR, NBR and CR rubber compounds. EPM or EPDM based compounds a level of 5 to 10 phr level is recommended.

## > PACKAGING AND STORAGE

**Packaging:** 25 kg (55.1 lb.) bags.

**Shelf Life:** 2 years from date of manufacture if stored as indicated below.

**Storage:** Store in unopened original packages in a cool dry place.

**Specification Date:** July 1, 2020