

# Technic B19S

Manufacturer: Techno Waxchem PVT., LTD.  
 Classification: Dry Bonding Agent  
 Chemical Composition: Resorcinol Formaldehyde Resin

Specification Properties	Value	Test Method
Ash Content, %	0.1 maximum	
Free Resorcinol, %	15 maximum	HLPC
Heat Loss @ 105 °C/1 hour, %	0.5 maximum	
Moisture Content, %	1.0 maximum	Karl Fischer
pH	4-6	50% aqueous solution
Softening Point, °C	100-114	
Typical Properties	Value	Test Method
Physical Form	Orange to red brown pastilles	Visual
Specific Gravity	1.36	Typical

## > APPLICATIONS

**Uses:** Can be used as a resorcinol component of the Dry Bonding System for adhesion of synthetic tire cord and brass plated tire cord to rubber. It offers a balanced combination of good adhesion and excellent flex fatigue resistance in conjunction with methylene donors like formaldehyde, Hexa methylene Tetramine (HMT) and Hexa Methoxy Methylol Melamine (HMMM) Resin through formation of an in-situ resin. The product contains nil formaldehyde.

**Advantage:** Technic B19S is a reaction product of formaldehyde with resorcinol and resorcinol polymers. It is supplied in pastille form. It has low vapor pressure, thus, the fuming and weight loss that occur with processing resorcinol at temperatures above 150°C is substantially reduced with the usage of Technic B19S.

**Recommended Dosage:** 3 to 4 phr is normally recommended for a Dry Bonding System.

## > 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 (Supersedes March 6, 2017)