



SOVEREIGN CHEMICAL COMPANY

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Technic B18S

Manufacturer	Techno Waxchem PVT., LTD.
Classification	Bonding Agent
Chemical Composition	Resorcinol Formaldehyde Resin based on Sumitomo Resorcinol

Physical Data

Specification Properties	Value	Test Method
Softening Point, °C	100.0-110.0	
pH	4.0-6.0	50% aqueous solution
Moisture Content, %	1.0 maximum	
Ash Content, %	0.1 maximum	
Free Resorcinol, %	18.0 maximum	HLPC
Typical Properties	Value	Test Method
Specific gravity	1.36	Typical @ 25 °C
Physical Form	Red to Dark Brown Pastilles	Visual

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.

Dosage: 3 to 4 phr is normally recommended for the Dry Bonding System.

Advantage: **Technic B18S** is a reaction product of formaldehyde with resorcinol and resorcinol polymers. It is supplied in pastille form. It has low vapour 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 B18S**.

Packaging and Storage

Packaging: 25 kg (55.1 lb) bag

Shelf Life: 1year from date of manufacture if stored as indicated below.

Storage: Store in cool, dry place in tightly closed receptacles.

Specification Date: August 30, 2014 (Supersedes: May 20, 2014)