SOVEREIGN CHEMICAL

Technical Data Sheet

Process Aid HTX

Manufacturer: Shandong Yanggu Huatai Chemical Co., LTD.

Classification: Process Aid

Specification Properties	Value
Ash Content, %	18-22
Melting Point, °C	70-94
Typical Properties	**Value**
Physical Form	Brown Pastilles
Density, g/cm^3	1.05 minimum

> APPLICATIONS

Uses: Peptizer for natural and isoprene rubber as well as for their blends with other synthetic rubbers; processing promoter for synthetic rubber; activator with delayed action. Used in molded and extruded goods of all types, expanded rubber articles, hard rubber. Peptizing effect in NR and IR above 60°C. Retards scorch and accelerates vulcanization.

HTX differs from HPP by its low melting range and becomes effective in natural and isoprene rubber at a mill temperature as low as 60 °C. Being rubber soluble, a homogeneous breakdown is achieved without the risk of blooming. HTX prolongs the scorch time and serves as a dispersing agent for all fillers. Due to its zinc content, it activates the vulcanization. An addition of stearic acid is not necessary and a reduction in zinc oxide is possible. HTX shortens the mixing time and improves the flow characteristics of the uncured compound. HTX has no adverse effect on rubber-to-metal bonding. HTX improves the storage stability, which is of advantage in direct vulcanization.

Processing: HTX, when used as a peptizer, should be added at the beginning of the mixing cycle. As activator or processing promoter HTX should be incorporated together with the fillers.

Recommended Dosage:

in NR: 1-3 phr
in IR: 1-3 phr
in SBR: 1-3 phr
in EPM: 2-3 phr
in EPDM: 2-3 phr
in HNBR: 2-3 phr
in NBR: 1-3 phr

> 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 9, 2015 (Supersedes February 10, 2014)

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