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HTX — Processing Promoters

Function

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.

Product description

Composition:	blend of zinc salts of higher molecular, mostly unsaturated fatty acids and filler mixture.
Appearance:	brown pastilles
Ash content:	18 - 22%
Melting point:	70 - 94°C
Solubility:	insoluble in water partially soluble in benzine and xylol
Discolouration of vulcanizates:	none
Physiological properties:	see safety data sheet

Use

Mode of action:

HTX differs from HPP by virtue of 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 particular 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.

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	

Application:

Molded and extruded goods of all types, expanded rubber articles, hard rubber. Peptising effect in NR and IR above 60°C. Retards scorch and accelerates vulcanisation.

Packing

Paper and plastic bag, 25 kg

Storage stability

In original closed containers under cool and dry conditions max.1year.