## Aktiplast® T

### 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
- **Appearance:** brown pallets
- **Density, 20 °C:** approx. 1.05 g/cm³
- **Ash content:** 12 - 14%
- **Melting range:** 75 - 85°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:** Aktiplast T is 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. Aktiplast T 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. Aktiplast T shortens the mixing time and improves the flow characteristics of the uncured compound. Aktiplast T has no adverse effect on rubber-to-metal bonding. Aktiplast T improves the storage stability, which is of particular advantage in direct vulcanization.
- **Processing:** Aktiplast T, when used as a peptizer, should be added at the beginning of the mixing cycle. As activator or processing promoter Aktiplast T should be incorporated together with the fillers.
- **Dosage:**
  - in NR: 1 - 3 phr
  - in SBR: 1 - 3 phr
  - in EPDM: 2 - 3 phr
  - in NBR: 1 - 3 phr
  - in IR: 1 - 3 phr
  - in EPM: 2 - 3 phr
  - in HNBR: 2 - 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 bag, 20 kg

Storage stability

in original closed containers under cool and dry conditions max. 3 years.

Handling

Consult material safety data sheet (MSDS) for additional handling information on Aktiplast T.

® = registered trade mark

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