

## Aktioplast® T

## Processing Promoters

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### 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:	Bend of zinc salts of higher molecular, mostly unsaturated fatty acids
Appearance:	brown pastilles
Density, 20 °C:	approx. 1.05 g/cm <sup>3</sup>
Ash content:	12-14 %
Melting range:	78-96 °C
Discolouration of vulcanizates:	none
Physiological properties:	see safety data sheet

### Use

Mode of action:	Aktioplast T has got a lower melting range than Aktioplast PP. It becomes effective in natural and isoprene rubber at a mill temperature of 60 °C. Since Aktioplast T is soluble in rubber, a homogeneous breakdown is achieved without the risk of blooming. Aktioplast T prolongs the scorch time and serves as a dispersing agent for all fillers. Owing to its zinc content, Aktioplast T activates the vulcanization. The addition of stearic acid is not necessary, a reduction of zinc oxide is possible. Aktioplast T reduces the mixing time and improves the flow characteristics of the uncured compound. Aktioplast T has no adverse effect on rubber-to-metal bonding. Aktioplast T improves the storage stability, which is of particular advantage in direct vulcanization.
Processing:	When used as a peptizer, Aktioplast T should be added at the beginning of the mixing cycle. As activator or processing promoter Aktioplast T should be incorporated together with the fillers.
Dosage:	in NR, IR, NBR, SBR: 1-3 phr in EPM, HNBR: 2-3 phr

Application: Molded and extruded goods of all types, expanded rubber articles, solid rubber. Peptizing effect in NR and IR above 60 °C. Retards scorch and accelerates vulcanization.

### **Packing**

20 kg paper bag on 1000 kg skid

### **Storage stability**

In original closed containers under cool and dry conditions 1095 days from date of production

### **Handling**

For additional handling information on Aktiplast T please consult current safety data sheet.

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