Technical Data Sheet

Aktiplast®
T

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: Bend of zinc salts of higher molecular, mostly unsaturated fatty acids
Appearance: brown pastilles
Density, 20 °C: approx. 1.05 g/cm³
Ash content: 12-14 %
Melting range: 78-96 °C
Discolouration of vulcanizates: none
Physiological properties: see safety data sheet

Use
Mode of action: Aktiplast T has got a lower melting range than Aktiplast PP. It becomes effective in natural and isoprene rubber at a mill temperature of 60 °C. Since Aktiplast T is soluble in rubber, 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. Owing to its zinc content, Aktiplast T activates the vulcanization. The addition of stearic acid is not necessary, a reduction of zinc oxide is possible. Aktiplast T reduces 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: When used as a peptizer, Aktiplast T 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, 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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