

Aktioplast®

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
Appearance:	light brown pastilles
Density, 20 °C:	approx. 1.08 g/cm ³
Ash content:	12-14 %
Melting range:	77 - 91 °C
Discolouration of vulcanizates:	none
Physiological properties:	see safety data sheet.

Use

Mode of action:	Aktioplast 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. Aktioplast 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. Aktioplast shortens the mixing time and improves the flow characteristics of the uncured compound. Aktioplast has no adverse effects on rubber-to-metal bonding. Aktioplast improves the storage stability, which is of particular advantage in direct vulcanization.
Processing:	Aktioplast, when used as a peptizer, should be added at the beginning of the mixing cycle. As activator or processing promoter Aktioplast should be incorporated together with the fillers.
Dosage:	in NR, IR, NBR, SBR: 1-3 phr in EPDM: 2-3 phr

Application: Molded and extruded rubber components of all kinds, expanded rubber articles, hard rubber, rubber articles for food contact applications (compliance with BfR recommendations, max. dosage 3 %, calculated on the finished article)

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 please consult current safety data sheet.

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