

Aktioplast® F 2635

Processing Promoters

Function

Peptizer and processing promoter for natural and synthetic rubber

Product description

Composition:	Combination of zinc salts of unsaturated fatty acids with an activator
Appearance:	Brown pastilles
Density, 20 °C:	approx. 1.10 g/cm ³
Ash content:	11.7-13.3 %
Melting range [DSC]:	75-87 °C
Solubility:	Insoluble in water, partly soluble in benzine and xylol
Discoloration of vulcanizates:	practically none
Physiological properties:	see safety data sheet

Use

Mode of action: Aktioplast F 2635 has a strong peptizing effect on natural and isoprene rubbers at mill temperatures of about 60 °C. Being soluble in rubber, a homogeneous breakdown is achieved without the risk of blooming. As a peptizing agent Aktioplast F 2635 is noticeably stronger than Aktioplast and Aktioplast T. Aktioplast F 2635 is particularly suitable for the mastication of natural and synthetic rubber as well as of blends at high temperatures, since Aktioplast F 2635 counteracts the possible cyclization of the polymer, e.g. SBR.

Aktioplast F 2635 slightly delays scorch. It serves as a dispersing agent for all compounding ingredients, for active carbon blacks, and light-colored reinforcing fillers. Due to its zinc content Aktioplast F 2635 activates the vulcanization. Aktioplast F 2635 reduces the mixing time. It also remarkably improves the flow characteristics of the uncured compound. Aktioplast has no adverse effect on rubber-to-metal bonding. Aktioplast F 2635 has a favorable influence on the storage stability, which is of particular advantage in direct vulcanization.

Processing: Aktioplast F 2635 should be added at the beginning of the mixing cycle in order to make best use of the peptizer effect.

Dosage: in NR, IR: 1-2 phr
in BR, SBR: 2-3 phr

Application: Molded and extruded articles of all kinds, e.g. conveyer belts, tire compounds

Packing

20 kg paper bag on 1000 kg skid

Storage stability

In original closed containers under cool and dry conditions 730 days from date of production

Handling

For additional handling information on Aktiplast F 2635 please consult current safety data sheet.

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