

## **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 <sup>3</sup>
Ash content:	11.7 - 13.3 %
Melting range:	77 - 91 °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:** Aktiplast 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 Aktiplast F 2635 is noticeably stronger than Aktiplast and Aktiplast T. Aktiplast F 2635 is particularly suitable for the mastication of natural and synthetic rubber as well as of blends at high temperatures, since Aktiplast 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 Aktiplast F 2635 activates the vulcanization. Aktiplast F 2635 reduces the mixing time. It also remarkably improves the flow characteristics of the uncured compound. Aktiplast has no adverse effect on rubber-to-metal bonding. Aktiplast F 2635 has a favorable influence on the storage stability, which is of particular advantage in direct vulcanization.

**Processing:** Aktiplast 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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