



## Technical Data Sheet

### Processing Additives

#### Zincolet –NK 207

**Composition** : Zinc free processing aid based on mixture of soaps and fatty acid Ester

**Specification** : Color : Creamish  
Appearance : Flakes  
Melting Point :  $65 \pm 5^{\circ}\text{C}$

**Dosage** :  
• 2- 5 phr

**Uses and Benefits** :

- Zincolet NK 207 is a processing additive for applications in natural and synthetic rubber.
- Zincolet NK 207 acts in non-polar elastomers predominantly as an external lubricant and release agent, since it has the tendency to accumulate at interfaces, this resulting in reduced friction and tackiness. In practice, this effect shows as improved extrusion rate and reduced mill roll sticking.
- Zincolet NK 207 contains specific composition the product softens readily and can easily be incorporated at temperatures above  $65^{\circ}\text{C}$ .
- In polar rubbers such as NBR the internal lubrication is to the fore resulting in a reduction of compound viscosity.
- Zincolet NK 207 is strongly adsorbed to fillers thus supporting filler dispersion and breaking up of filler agglomerates. This does not only lead to improved compound homogeneity but also to reduced compound viscosity. The effect is naturally strong with the polar mineral fillers.
- Zincolet NK 207 has a certain alkalinity; it has an activating effect upon the sulphur cure. When too fast scorch is observed in individual cases, addition of a suitable retarder should be taken into consideration.

**Important Note** :

- Zincolet NK 207 has particularly been developed from environmental aspects and contains no heavy metals. In many applications it can replace zinc soaps previously used as processing additives and thus it is an important contribution to the currently demanded reduction of the zinc content of rubber compounds.

**Packing** : 25kg Polylinedpolywoven bag / Polylined paper bag.

**Storage stability** : Upto 2 years in normal storage conditions.

**Handling** : Consult material safety data sheet (MSDS) for additional handling information for Zincolet–NK 207.

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