



Technical Data Sheet

Zincolet – MN 50

Processing Additives

Composition : Zinc soap of mixed fatty acids.

Specification :

Appearance	: Beige to Creamish Flakes
Melting Point	: $100 \pm 5^{\circ}\text{C}$
Ash content	: $12 \pm 1\%$
(2hrs,@850°C)	
Specific Gravity	: 1.08

Dosage :

- As peptizer for natural rubber - 2.0 phr.
- In Carbon black based compound - 2.5 to 3.0 phr.
- In Shoe Soles - 2.0 to 2.5 phr.
- In Cycle tubes or for injection moulding compounds - 3.0 to 4.5 phr.
- In Micro Cellular sheets - 1.0 to 2.0 phr.

Uses and Benefits :

- It reduces compound mixing temperature upto 10% (approx).
- Reduces mixing time by faster filler incorporation especially in open mill mixing.
- Better dimensional control on performance shrinkage.
- Retains high modulus with lower viscosity.
- It can reduce viscosity on NR whilst maintaining high tear, resilience, dynamic properties and ageing resistance.
- Internal chain lubrication effect gives advantage to compounds that can be mixed and calendared at higher viscosity, as compared to lower viscosity obtained by using chemical peptizer.

Important Note :

- By using Zincolet– MN50 process of mastication of polymer can be avoided whereby the production capacity is increased resulting in considerable time and energy savings.
- By using Zincolet– MN50 extrusion improves and there is no need to use the chemical peptizers.
- Zincolet– MN50 plays vital role in masticating and homogenizing when more than one polymer like NR/PBR, NR/SBR, NR/NBR or any two different polymer based compounds are to be mixed. It even helps in proper dispersion of the fillers in such compounds.

Packing : 25kg Polylined polywoven bag / Polylined paper bag.

Storage stability : Upto 2 years in normal storage conditions.

Approvals : **REACH/SVHC/ ROHS**

Handling : Consult material safety data sheet (MSDS) for additional handling information for Zincolet– MN 50.

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