



KETTLITZ-Antitack NP-97

- technical leaflet -

Pure zinc stearate dispersion of small particles, developed especially for dip tank equipment. The stearate particles are only partially hydrophobic due to the special production process. Therefore the antitack agent within the dilution shows the tendency to rise to the upper third of the dip tank. While the compound leaves the dip tank, it passes through the region of highest concentration and gets the optimum coverage of antitack agent. The partial hydrophobic character also leads to a faster drying of the layer on treated rubber parts. We also recommend Antitack NP-97 for procedures in which all of or part of the antitack agent stays on the surface of the compound during vulcanization (blanks). The zinc stearate layer on rubber parts melts at curing temperature (melting point approx. 120 °C) and is almost completely absorbed by the compound.

The grade of absorption depends on different conditions, e. g. the concentration of antitack agent, the scorch behavior and compatibility of the compound etc. Antitack NP-97 causes no mold contamination, if the recommended dilution ratio is observed and the surface finish of the vulcanizates will be improved.

Treated rubber sheets show a slightly rough surface (can be easily fed into extruders, no slipping during storage on pallets), and visual control of the antitack film is possible.

The concentrate should be stirred before use (this will result in lower viscosity and therefore easier handling/homogeneity). Stirring has to be repeated every time before use, because viscosity will increase again during storage (thixotropic effects).

Dilution ratio for first tests: 1:10 (Antitack NP-97:H₂O)

Properties

Chemical Characteristics	fine zinc stearate evenly dispersed in water
Appearance	white liquid of medium viscosity
Density at 20 °C	approx. 1.03 (mathematically)
pH-value (dilution ratio 1 + 10, 20 °C)	8.0 ± 0.5
Dry Matter (%) (0,5 g/15 min./109 °C)	23.5 ± 2.5
Physiol. Behavior	see safety data sheet
Storage Stability	2 years at room temperature in originally sealed drums
Packing	plastic drums containing 100 kg net