



KETTLITZ-Antitack BTO-30

- Technical leaflet -

Antitack BTO-30 is a dispersion of very fine magnesium stearate. Due to its additives (detergents, anti-rust and anti-foam agents) it can be used in batch-off-systems (dip tank or spraying system) as well as for Barwell equipment. Antitack BTO-30 was developed to prevent environmental pollution caused by heavy metal ions of the usual zinc stearate dispersions. The pure magnesium stearate which is used for Antitack BTO-30 has a melting point of 135 °C, but the material which remains on the surface of treated unvulcanized rubber sheets or strips melts already at approx. 90 °C. After melting, it penetrates into the rubber compound and has no influence on physical properties or rubber-metal (or rubber-textile) bonding.

In trials we ran in our lab concerning antitack properties, Antitack BTO-30 always showed the best results, also in comparison to several products of our competitors.

Customers who already have Antitack BTO-30 in use confirmed the excellent properties of this product. The most important points they mentioned were:

- fast drying of treated rubber parts, so that further processing and storage can follow soon
- the surface of treated rubber parts seems to be clean even at dilution rates of 1 : 10, due to the very fine particle size of the used magnesium stearate
- no foaming problems
- pollution of batch-off equipment is minimized compared to the use of „normal“ antitack agents based on zinc stearate of products containing fillers (e. g. silica, chalk, bentonite)
- very good antitack properties, and therefore high dilution rates

The fifth point has the consequence that less material is needed and this means lower costs for material and for cleaning periods.

Dilution ratio for first tests: 1:15 (Antitack BTO-30:H₂O)

We propose to mix the concentrated antitack agent with water in a ratio of 1:1 first and to dilute it afterwards.

Properties

Chemical Characteristics

magnesium stearate in combination with detergents, antirust and antifoam agents

Appearance white paste of medium viscosity

Density at 20 °C (g/cm³) approx. 1.02

Dry Matter (0.5 g/15 min./109 °C) (%) 27.0 ± 2.5

pH-value at 20 °C (dilution ratio 1 + 10) 9.5 ± 1.0

Physiol. Behavior see safety data sheet

Storage Stability 2 years in originally sealed drums

Packing plastic drums containing 100 kg net

Please visit our website, www.kettlitz.com, for full product list catalogue, or contact our exclusive agency in Iran: Iran Industrial Rubber co.

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