



KETTLITZ-Activin NT

- technical leaflet -

Activin NT is an activator for natural rubber containing silica as filler. It generally can be used for all polymers.

There will be excellent results for pure natural rubber compounds and compounds, which include NR as a blend component. With the usage of Activin NT the scorch safety will be increased and simultaneously the vulcanization time will be shortened compared to other competitive filler activators.

Thereby shorter production (vulcanization) cycles can be achieved by constant or extended flow time. Through the extension of the flow times, a faster and better fill in of the mold during the compression and injection molding procedure will be achieved.

Furthermore, through the application of Activin NT the physical properties of the rubber compounds will be improved remarkably. This will be shown particularly through higher modulus values, higher values for tear strength, higher tear resistance and lower abrasion values.

During the application in combination with silanes, their effectivity will be increased. This is resulting in an additional improvement of the physical values of the rubber compound.

Activin NT will be produced as a powder and therefore it can be applied easy and accurately. Independent of the used mixing equipment it can be mixed into rubber compounds very fast. Optimal results can be achieved, if Activin NT will be added to the mixing processes together with the filler (silicia or other siliceous fillers).

Activin NT is non-staining and it can be used in colored as well as in transparent compounds.

The recommended dosage is 5 % calculated on the silica content.

Properties

Chemical Characteristics		combination of high-boiling alcohol, acids and amines
Appearance/Form of Delivery		white powder
Density at 20 °C	(g/cm ³)	approx. 1.33 (mathematically)
Bulk Density	(g/ml)	approx. 0.5
Ash Content (1 h, 950 °C)	(%)	26 ± 3
Physiol. Behavior		see safety data sheet
Storage Stability		3 years under suitable storage conditions
Packing		paper bags containing 25 kg net