



KETTTLITZ-Mediaplast 45

- technical leaflet -

Kettlitz-Mediaplast 45 is a newly designed, highly effective and zinc-free homogenizing and physical peptizing agent, consisting of aromatic plasticizers and fatty acids. It is especially recommended for the use in NR, SBR, and polymer blends.

Mediaplast 45 improves, exactly like Mediaplast 40, which is well-known in the rubber industry, the homogeneity of polymer blends and filler dispersion. Compared to Mediaplast 40 the Mooney viscosity of the compound is again considerably lowered by using Mediaplast 45.

This function can be significantly intensified by using a special process aid, e. g. our Dispergator FL or Dispergator FL plus. Due to these unique properties, the energy consumption can be reduced when compounds are produced or processed.

The active substances contained in Mediaplast 45 are of liquid form. In comparison to many competitive materials Mediaplast 45 develops its full function immediately after adding it to the compound. The voluminous granule form guarantees that Mediaplast 45 is dispersed quickly and evenly within the compound.

As dosage we recommend 1–2 phr, depending on the filler content. Mediaplast 45 should be added at the beginning of the mixing process, together with the polymers.

The characteristic color of our product can have an effect on the color of the rubber compound. Therefore, tests should be carried out before using Mediaplast 45 in light colored compounds.

Properties

Chemical Characteristics		mixture of aromatic plasticizers and fatty acids on carrier
Appearance		beige granules
Density at 20 °C	(g/cm ³)	approx. 1.13 (mathematically)
Ash Content	(%)	32 ± 2
Physiol. Behavior		see safety data sheet
Storage Stability		3 years under suitable storage conditions
Packing		paper bags containing 25 kg net