



KETTTLITZ-Mediaplast 40

- technical leaflet -

Kettlitz-Mediaplast 40 is a highly effective homogenizing agent consisting of resin plasticizers, which is recommended for the use in polymer blends. Best results are achieved in compounds based on NR/SBR/BR. Besides, Mediaplast 40 is also very suitable for other polymer blends like EPDM/NR.

Mediaplast 40 influences the filler dispersion positively and reduces the Mooney viscosity of the compound, which leads to a shorter mixing time.

This function can be significantly improved 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 40 are of liquid form. In comparison to many competitive materials Mediaplast 40 will develop its full function immediately after adding it to the compound. The voluminous granule form will guarantee that Mediaplast 40 is dispersed fast and evenly within the compound.

By adding Mediaplast 40, the tackiness of the compound increases. When using Mediaplast 40 the physical values, especially the tear resistance, is usually improved considerably.

As dosage we recommend 3–5 phr, depending on the filler content. Mediaplast 40 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 40 in light colored compounds.

Properties

Chemical Characteristics		mixture of synthetic resins and resin-plasticizers on carrier
Appearance		brownish granules
Density at 20 °C	(g/cm ³)	approx. 1.13 (mathematically)
Ash Content	(%)	30.5 ± 2.5
Physiol. Behavior		see safety data sheet
Storage Stability		3 years under suitable storage conditions
Packing		paper bags containing 25 kg net