



KETTLITZ-Mediaplast NB-500

- preliminary technical leaflet -

Mediaplast NB-500 is a phthalate-free mixture of ester plasticizer without hazard identification for the use in polar polymers like NBR, H- and XNBR, CM/CSM, CR, ECO, etc.

Mediaplast NB-500 is, due to its relatively low volatility and because of its extremely low setting point, suitable for heat-resistant as well as cold flexible rubber articles (see technical data). In addition, examinations show that basically the cure in rubber mixtures is affected only slightly, what turns out especially with sensitive vulcanization systems as an advantage. Compared to mineral oil plasticizers as well as many ester plasticizers the compatibility within NBR compounds is much higher. In contrary to commercially available, highly volatile, often more expensive ester plasticizers, Mediaplast NB-500 does not cause mold contamination.

Due to the characteristic bright color of Mediaplast NB-500 it can also be used to produce light or colored rubber compounds.

Properties

Chemical Characteristics		mixture of esters, phthalate-free
Appearance		bright, transparent liquid
Color	(HAZEN)	max. 100
Density at 15 °C	(g/cm ³)	0.942 ± 0.005
Viscosity at 40 °C	(mm ² /s)	13 ± 2
Flash Point	(°C)	> 200
Setting Point	(°C)	< -60
Volatility (2 h/160 °C)	(%)	< 0.5
Physiol. Behavior		see safety data sheet
Storage Stability		10 years under suitable storage conditions
Packing		drums containing 200 kg net