



## KETTLITZ-Mediaplast NB-4

- technical leaflet -

Mediaplast NB-4 is a special adipine acid plasticizer at an exceptionally reasonable price for the use in polar polymers like NBR, H- and XNBR, CM / CSM, CR, ECO, etc. Mediaplast NB-4 is, due to its relatively low volatility and also because of its extremely low setting point, suitable for heat-resistant as well as cold flexible rubber articles (see technical data). The production of rubber products with a cold flexibility lower than - 40 °C is possible, for example. Compared to mineral oil plasticizers as well as many ester plasticizers the compatibility within NBR compounds is much higher. In the contrary to more volatile and often more expensive ester plasticizers, Mediaplast NB-4 does not cause soiling on the molds.

If polymethacrylates come in contact with Mediaplast NB-4 containing compounds, they are not influenced negatively (test at 70 °C, 21 days). Due to the characteristic light color of Mediaplast NB-4, it can also be used for the production of light or colored rubber compounds. As the softening effect of Mediaplast NB-4 is especially high, the dosage should be reduced slightly, when comparing tests are run. This should also be considered when judging swellings in different media.

Further information can be found in our brochure **Kettlitz-Plasticizers**.

### Properties

Chemical Characteristics		adipine acid ester
Appearance		bright, transparent liquid
Color	(HAZEN)	max. 100
Density at 15 °C	(g/cm <sup>3</sup> )	0.960 ± 0.004
Viscosity at 40 °C	(mm <sup>2</sup> )	15 ± 2
Flash Point	(°C)	> 200
Setting Point	(°C)	< -60
Volatility, 2 h at 160 °C	(%)	< 1
Physiol. Behavior		see safety data sheet
Storage Stability		10 years under suitable storage conditions
Packing		drums containing 200 kg net

## KETTLITZ-Mediaplast NB-4/P

Kettlitz-Mediaplast NB-4/P is a dry liquid plasticizer, containing 72.5 % Mediaplast NB-4. As carrier we use very absorbent and fine-particle-sized silica. When using the plasticizer on open mills or with compounds containing a high quantity of plasticizers in the closed mixer, the mixing time can be shortened considerably by Mediaplast NB-4/P.

Please note that the minimum order quantity for Mediaplast NB-4/P is 250 kg per delivery.

Properties - see Mediaplast NB-4.

Packing paper bags containing 25 kg net