



KETTLITZ-Mediaplast TR

- technical leaflet -

Mediaplast TR is a light, non-staining, highly aromatic synthetic plasticizer based on dibenzyltoluen. Due to these attributes it is recommended for the use in polar elastomers like CR, CM/CSM, NBR, HNBR etc. Mediaplast TR is especially suitable for the production of V-belts and special hoses (hydraulic machinery, cars etc.) and other highly strained products. One of the very positive effects of rubber compounds containing Mediaplast TR is the fact that they show a high adhesion to other materials, e. g. textiles, therefore the durability of highly strained products can be increased.

Besides, Mediaplast TR is also suitable for the use in polysulfide polymers of the **Thiokol** type, as the compatibility is extraordinarily good and this plasticizer also leads to an excellent cold flexibility in polysulfide polymers (setting point approx. -30 °C).

Due to the occurring viscosity decrease in **Thiokol** polymers, large filler quantities can be mixed in and e. g. polysulfide sealants can be made very smooth and easy to handle, which is very advantageous when using them at low outside temperatures.

As dibenzyltoluene has to be labelled, please observe the corresponding regulations/classifications stated in the safety data sheet regarding storage, transport and use of the product.

Properties

Chemical Characteristics		dibenzyltoluen
Appearance		bright, clear liquid
Color	(ASTM D 1500)	max. 1.5
Density at 20 °C	(g/cm ³)	1.045 ± 0.005
Viscosity at 40 °C	(mm ²)	approx. 17
Flash Point	(°C)	> 190
Setting Point	(°C)	approx. -30
Aniline Point	(°C)	approx. -30
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