



# KETTLITZ-Mediaplast PM

## - Technical leaflet -

Mediaplast PM is a synthetic aromatic plasticizer based on polyalkylbenzene (bi- and trialkylated aromatics), which is mainly recommended for the use in elastomers with low to medium polarity, i. e. NR, IIR, BR, SBR, EP(D)M for example, but also CR, CM/CSM, EVA and PNR. Especially in polychloroprene the often used, expensive ester plasticizers can be replaced completely. The possible dosage depends on the chlorine level of the CR-type as well as the filler content of the compound.

In unpolar compounds, compared to mineral oil plasticizers, extremely high dosages are possible without the danger of migration of the plasticizer.

Mediaplast PM has non-staining properties, therefore even light or colored compounds can be produced. The product is free of sulfur and its derivatives and has a high degree of saturation, therefore the produced rubber articles show excellent mechanical properties. Due to the very low setting point of approx. - 50 °C the finished products also have an extraordinary cold flexibility.

Mediaplast PM does not contain any heavy metals or polycyclic ingredients worth mentioning. Therefore it is not considered hazardous. Besides, the product is free of sulfur and its derivatives which influences the aging resistance of the produced rubber articles positively.

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

### Properties

Chemical Characteristics		polyalkylbenzene
Appearance		yellowish liquid
Color	(ASTM D 1500)	Max. 1.5
Density at 15 °C	(g/cm <sup>3</sup> )	0.875 ± 0.010
Refraction Index $n_D^{20}$		1.490 ± 0.010
Viscosity at 40 °C	(mm <sup>2</sup> /s)	23 ± 3
Viscosity at 20 °C	(mm <sup>2</sup> /s)	ca. 60
Flash Point	(°C)	> 180
Setting Point	(°C)	approx. < -50
Aniline Point	(°C)	approx. 50
Volatility, 2 h at 160 °C	(%)	< 1
Physiol. Behavior		see safety data sheet
Storage Stability		10 years under suitable storage conditions
Packing		drums containing 180 kg net

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Please visit our website, [www.kettlitz.com](http://www.kettlitz.com), for full product list catalogue, or contact our exclusive agency in Iran: [Iran Industrial Rubber co.](http://Iran Industrial Rubber co.)

Tel: +98 21 2267 0733  
+98 21 2267 0832  
Fax: +98 21 2220 9247



## KETTTLITZ-Mediaplast PM/P

Mediaplast PM/P is a dry liquid plasticizer, containing 72.5 % of Mediaplast PM. As carrier we use a very absorbent and fine-particle-size 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 PM.

Please note that the minimum order quantity for Mediaplast PM is 250 kg per delivery.  
Properties - see Mediaplast PM.

Packing

paper bags containing 25 kg net

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Tel: +98 21 2267 0733  
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Fax: +98 21 2220 9247