



KETTLITZ-Mediaplast PS-1

- Technical leaflet -

Mediaplast PS-1 is a synthetic plasticizer based on polyalkylbenzene, which is mainly recommended for the use in elastomers with low to medium polarity, e. g. NR, IIR, BR, SBR, EP(D)M, but also CR, CM/CSM, EVA and PNR.

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

Mediaplast PS-1 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 low setting point of approx. -24 °C the finished products also have an extraordinary cold flexibility.

Mediaplast PS-1 does not contain any heavy metals or polycyclic ingredients worth mentioning. Therefore it is not considered hazardous.

Properties

Chemical Characteristics		polyalkylbenzene
Appearance		yellow liquid
Color	(ASTM D 1500)	max. 2
Density at 15 °C	(g/cm ³)	0.891 ± 0.010
Refraction Index n _D ²⁰		1.497 ± 0.005
Viscosity at 50 °C	(mm ² /s)	300 ± 30
Flash Point	(°C)	approx. 190
Setting Point	(°C)	approx. -24
Volatility, 2 h at 160 °C	(%)	< 2
Physiol. Behavior		see safety data sheet
Storage Stability		10 years under suitable storage conditions
Packing		drums containing 180 kg net

Please visit our website, www.kettlitz.com, for full product list catalogue, or contact our exclusive agency in Iran:
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