

Ultramoll® IV MV Plasticizers

Description

Medium viscosity polymeric plasticiser for a large number of polymers, e. g. polyvinyl chloride (PVC), VC copolymers, acrylonitrile-butadiene rubber (NBR), and polyurethanes (PUR). The adipic acid polyester was developed to combine migration resistance and a good processibility.

Chemical Composition

Adipic acid polyester

Appearance

Almost colourless, medium viscous liquid

Typical Properties*

Property	Nominal Value	Unit
Refraction index $n_{D_{20}}$	approx. 1.465	#
Acid value	max. 1.0	mg (KOH)/g
Color number, Gardner	max. 6	#
Viscosity at 23 °C	approx. 2500	mPa·s
Viscosity at 50 °C	approx. 400	mPa·s
Water content	max. 0.1	%
Dissolution temperature	approx. 166	°C

*The analytical data are guide values.



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Application

Ultramoll® IV MV can be used as a plasticizer in a wide variety of polymers, but it was specially developed for articles based on polyvinyl chloride (PVC), which are expected to have a good migration resistance in combination with a good processibility. Ultramoll® IV MV is used in applications where foodstuff regulations and recommendations need to be met; further information is available on request from the address below.

Packaging

Road tankers, 1000 kg PE-containers, 200 kg metal drums.

Storage conditions

Ultramoll® IV MV should be kept in its tightly sealed original container in a dry and cool place. If stored properly, the product is stable for 2 years. Once opened, containers should be resealed tightly after removal of the product. Density and viscosity are important variables determining storage, the design of the storage tanks and the dimensions of pipelines and delivery pumps which have to be observed for this viscous product.

Handling

A receiving inspection is recommended. Consult material safety data sheet (MSDS) for additional handling information on Ultramoll® IV MV.

® = registered trade mark

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North America
+1.833.LANXESS
customer.care@lanxess.com

Europe, Middle East & Africa
+44.161.875.3800
emea.export@lanxess.com

South & Central America
+55.19.3522.5083
atendimento.cliente@lanxess.com

Asia Pacific
+86.21.6109.6666
Orders.apac@lanxess.com

