

Loxanol® MI 6735

general

adhesion promoter

- highly effective adhesion promoter for bonding different materials
- can act as physical or chemical crosslinking agent in coatings, paints and adhesives

chemical nature

polyethyleneimine

Properties

physical form

clear liquid

storage

Loxanol® MI 6735 should be stored in a cool dry place. High temperatures and direct sunlight can lead to discoloration and the formation of surface films. At temperatures below 0°C the products may solidify, but brief heating to a maximum of 80°C and stirring reverses the process. Prolonged exposure to atmospheric oxygen can cause discoloration. We therefore recommend storage under an inert atmosphere of nitrogen.

typical properties (no supply specification)

water	max. 1.0%
ethyleneimine	max. 1 ppm
viscosity at 50°C (DIN 53015)	~ 15,500 mPa·s
average molecular mass (GPC)	~ 25,000 g/mol
pH value (as supplied)	~ 13

Application

Loxanol® MI 6735 is a multifunctional cationic polyethyleneimine with a high charge density. It absorbs strongly on negatively charged surfaces such as cellulose, polyester, polyolefines, polyamides and metals. It is therefore recommended as adhesion promoter for bonding different materials.

Loxanol® MI 6735 is an effective adhesion promoter for printing inks for laminated films. It is particularly suitable for sandwich-printed laminated films.

Loxanol® MI 6735 is strongly basic and must only be used with binders and pigments that are stable to alkalis. Polyvinylbutyral is the preferred binder.

In addition, owing to the large number of peripheral amino groups, Loxanol® MI 6735 can act as physical or chemical crosslinking agent in coatings, paints and adhesives.

recommended concentrations

0.5 - 1 % depending on the application

It is important for the transport, storage and processing of Loxanol® MI 6735 to know that its viscosity decreases significantly with increasing temperature. Loxanol® MI 6735 can also be diluted with water to decrease viscosity.

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Validity

This Technical Data Sheet is valid for all versions of the Loxanol MI 6735.

Safety

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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