

Loxanol[®] MI 6721

general	Loxanol [®] MI 6721 is a multifunctional cationic polymer
chemical nature	Branched polyethylene imine

Properties

physical form	colorless to yellowish liquid
shelf life	Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 1 year.
typical properties (no supply specification)	
	average molar mass (GPC) ~ 1300 g/mol
	viscosity (ISO 2555, Brookfield) ~ 8000 mPa·s
	concentration (ISO 3251) ~ 99%
	water content (DIN 53715) ~ 1%
	refractive index (DIN 51423, 20°C) ~ 1.526
	pH value (DIN 19268, 1% in dist. water) ~ 11
	density (DIN 51757, 20°C) ~ 1.03 g/cm ³
	pour point (ISO 3016) ~ -16 °C
	residual ethylene imine max. 1 ppm

Application

The addition of even a small amount (0.1%) of Loxanol® MI 6721 to standard emulsion paints significantly improves the wet adhesion, which is of particular significance in bath and kitchen applications. Loxanol® MI 6721 can be added directly to the paint formulation. This makes the use of special monomers in emulsion paints unnecessary.

Loxanol® MI 6721 also can improve the early rain resistance of stucco finishes.

Loxanol® MI 6721 is has a minimized water content and therefore it can be used as a crosslinking component in epoxy resin and polyurethane coatings.

recommended concentrations

0.1 – 2% depending on the application

storage

Loxanol® MI 6721 should be stored in tightly sealed original containers in cool, dry rooms. High temperatures and direct sunlight can lead to discoloration and the formation of surface films.

In case of solidification because of low temperature storage it can briefly be heated up to 80°C preferably under stirring. This has no influence on the performance of the product. Prolonged exposure to atmospheric oxygen can cause discoloration. We therefore recommend storage under an inert atmosphere of nitrogen.

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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