

Loxanol[®] MI 6721

Product description Loxanol[®] MI 6721 is a multifunctional cationic polymer

Chemical nature Branched polyethylene imine

Properties

Physical form Colorless to yellowish liquid

Technical data

(not supply specification)

Average molar mass	GPC	~ 1,300 g/mol
Viscosity, dynamic	ISO 2555 (Brookfield)	4.5 – 15.0 Pa.s
Concentration	ISO 3251	~ 99 %
Water content	ISO 760	≤ 2 %
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 content of monomer (ethyleneimine)		≤ 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 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

Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 1 year.

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.

Contacts worldwide

Asia
BASF East Asia Regional Headquarters Limited
36/F, Two Taikoo Place,
Taikoo Place,
979 King's Road,
Quarry Bay, Hong Kong
formulation-additives-asia@basf.com

North America
BASF Corporation
11501 Steele Creek Road
Charlotte, NC 28273
USA
formulation-additives-nafta@basf.com

Europe
BASF SE
Formulation Additives
67056 Ludwigshafen
Germany
formulation-additives-europe@basf.com

South America
BASF S.A.
Rochaverá - Crystal Tower
Av. das Nações Unidas, 14.171
Morumbi - São Paulo-SP
Brazil
formulation-additives-south-america@basf.com

Validity

This Technical Data Sheet is valid for all versions of the Loxanol® MI 6721.

Safety

When handling this product, 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.

® = Registered trademark

™ = Trademark of the BASF Group, unless otherwise noted

www.basf.com/formulation-additives