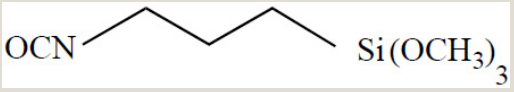
Product information

VESTANAT® EP*-IPMS

3-ISOCYANATOPROPYLTRIMETHOXYSILANE



SPECIFICATION (PRELIMINARY)

Property	Value	Unit	Test method
NCO content	20.0 - 20.4	% by wt.	DIN EN ISO 11 909 / ASTM D 2572
Purity	≥ 98,0	% by wt.	gas chromatography

TYPICAL DATA

Property	Value	Unit	Test method
Viscosity at 23 °C	approx. 2	mPa·s	DIN EN ISO 3219
Colour (Hazen)	≤ 100	mg Pt/l	DIN EN ISO 6271
Density at 20° C	approx. 1.08	g/cm³	DIN 51 757 / ASTM D 2111
Flash point (closed cup)	approx. 110	°C	DIN 51 755
Ignition temperature	approx. 270	°C	DIN 51 794

* EP = Experimental Product

This is an experimental product at the development stage. No definitive statements can therefore be made as to type conformity, processability, long-term performance characteristics or other production or application parameters. Therefore, the purchaser/user uses the product entirely at its own risk without having been given any warranty or guarantee and agrees that the supplier shall not be liable for any damage, of whatever nature, arising out of such use. The figures given should be regarded as non-binding approximate data only, and not as guide values or binding minimum values. Commercialization and continued supply of this product are not assured. Its supply may be discontinued at any time.

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PROPERTIES AND HANDLING

VESTANAT® EP-IPMS is an isocyanate building block for the preparation of silane modified urethane resins. These resins may be used for the production of isocyanate-free, moisture curing adhesives, sealants and weatherable, UV- and scratch-resistant coatings.

STORAGE AND PACKAGING

VESTANAT® EP-IPMS is an experimental product and therefore final information on storage stability is not yet available. As the NCO content might vary during storage, we recommend to store the sealed containers below 25°C and to measure the NCO content prior use.

SAFETY AND HANDLING

The product is intended to be used as raw material for the industrial manufacture of resins and hardeners for coating materials, adhesives, sealants and elastomers preferably free of residual monomeric VESTANAT® EP-IPMS. The handling and application of materials containing reactive isocyanates requires appropriate protective measures. Isocyanate containing products may be used only in industrial or professional applications. They are not suitable for use in non-professional (DIY) applications.

For further information on the safe handling of VESTANAT® EP-IPMS please refer to our Material Safety Data Sheet.

Marl, June 10, 2018; This data sheet replaces all former issues.

VESTANAT® is a registered trademark of Evonik Industrie AG or one of ist subsidiaries.

Disclaimer
This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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