

Product information

VESTANAT[®] EP*-T 1890 EV

GENERAL DESCRIPTION

VESTANAT[®] EP-T 1890 EV is a cycloaliphatic polyisocyanate based on isophorone diisocyanate (VESTANAT[®]IPDI) and dissolved in butyl acetate.

SPECIFICATION (PRELIMINARY)

Property	Value	Unit	Test method
Non volatile matter	70 ± 2	% by wt.	DIN EN ISO 3251
NCO Content	11.9 ± 0.4	% by wt.	DIN EN ISO 11909, ASTM D 2572
Viscosity at 23°C	600 ± 250	mPas	DIN EN ISO 3219

TYPICAL DATA

Property	Value	Unit	Test method
Colour (Hazen)	≤ 80	mg Pt/l	DIN EN ISO 6271
VESTANAT [®] IPDI monomer	≤ 0,3	% by wt.	DIN EN ISO 10283

CATALYSTS

The reactivity of VESTANAT[®] EP-T 1890 EV is lower compared to linear aliphatic polyisocyanates. Slow curing at ambient temperature and extremely long pot life can be a consequence of inadequate catalysis. In order to enhance the reactivity, the use of dibutyltindilaurate (DBTDL) is recommended. The amount of DBTDL to be used depends on the type and the OH-number of the resin and is typically in the range of 0.01 and 0.1 % by wt., calc. on solid binder.

* 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.

STORAGE AND PACKAGING

VESTANAT® EP-T 1890 EV can be stored in unopened containers for at least one year without loss of quality in accordance with the above preliminary specification.
VESTANAT® EP-T 1890 EV is supplied in non returnable 200 kg drums.

SAFETY AND HANDLING

For further information on the safe handling of VESTANAT® EP-T 1890 EV please refer to our Safety Data Sheet.

Marl, September 19, 2023; This data sheet replaces all former issues.

VESTANAT® is a registered trademark of Evonik Industrie AG or one of its 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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