

Technical Data Sheet

Revision Date: 2020-11-15

NO. PCS _0019

Name: WANNATE™ HTBL-275MS

Version: 4.0

Application

WANNATE™ HTBL-275MS is a 3,5-dimethylpyrazole blocked aliphatic polyisocyanate based on hexamethylene diisocyanate (HDI) and dissolved in 17% solvent naphtha 100 and 8% propylene glycol monomethyl ether acetate, colorless to slightly yellowish clear liquid.

Equivalent Weight ~ 385

Density at 20 °C ~ 1.1 g/cm³

Blocked NCO Content ~10.9 %

WANNATE™ HTBL-275MS can be used in the formulation of weather-stable, lightfast, chemically resistant and highly heat-stable one-component polyurethane stoving coatings for use in automotive finishing. Compared with polyisocyanates blocked with butanone oxime, WANNATE™ HTBL-275MS allows a reduction in the stoving temperature of approx. 10 °C, with no decrease in solvent and chemical resistance.

Specification

Properties	Unit	Specification
Solids	%	73.0 ~ 77.0
Viscosity at 25 °C	mPa s	2500 ~ 4500
Chromatic Number	APHA	≤ 100

Package(s)

20 kg Metal drum

215 kg Metal drum

Other packaging available according to customer needs

Storage / Solubility

Store in tightly closed containers to prevent moisture contamination.

Recommended storage temperature: 0 ~ 30 °C.

Protect from moisture, heat and foreign material.

General information: Storage at higher temperatures will result in increase of color and viscosity. Storage at significant lower temperatures will result in solidification. This solidification is reversible by briefly heating the product without adversely affecting the quality of the product.

Compatibility

Generally speaking and given equivalent crosslinking ($\text{NCO/OH} = 1.0$), WANNATE™ HTBL-275MS is miscible with polyester polyols, polyether polyols and polyacrylates. However, the compatibility of the mixtures must be tested in each individual case.

Shelf Life

It can remain stable at least for 6 months at room temperature if stored properly.

For more information about safety and environment, please refer to our MSDS or contact our customer service center.

Version Information:

Date of first issue: June 6, 2016

Date of 1st revise: Feb 19, 2017 Reason for revision: Change of contact information

Date of 2nd revise: June 9, 2017 Reason for revision: Change of company LOGO

Date of 3rd revise: Nov 15, 2020 Reason for revision: Change of version

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The information provided here is for reference only. The specification will be provided in the quality certificate or in the contract. It is the user's responsibility to test the material and its suitability for a process. We have no control over what another party does with the material and we cannot take any responsibility for another party's action. Nor will we be responsible for any indirect damages while using our products. The user is welcome to contact our customer and technical service center with questions on our products.