

Technical Data Sheet

Revision Date: 2017-06-30
Name: WANNATE[®] PM-400

NO. WHPU_0021
Version: 6.0

Application

WANNATE[®] PM-400 is high functionality, high viscosity isocyanate. It can be used the production of rigid PU foam and polyisocyanurate foams; particularly fit for continuous production of laminated polyisocyanurate slab stock foams. WANNATE[®] PM-400 can improve cell homogeneity and dimensional stability of foams and the compressive strength vertical to the foaming direction. The flame retardancy of polyurethane and polyisocyanurate foams also shows some improvement.

Typical physical and chemical properties

Item(s)	Specifications
Appearance	Brown Liquid
Viscosity(25°C)/ (mPa · s)	350~500
NCO Content/%	30.5~32.0
Density (25°C) / (g/cm ³)	1.220~1.250
Acid Content/%	≤0.030
Hydrolysable Chlorine/%	≤0.20

Package(s)

210L iron drums, 250kg/drum

Storage(s)

Since WANNATE[®] PM-400 is a reactive chemical, reaction with atmospheric moisture happens easily and leads to the formation of insoluble ureas and carbon dioxide gas, which can result in pressure build-up in closed containers and viscosity increase of the product. Containers must therefore be absolutely dry and carefully sealed after congested with nitrogen.

Containers of WANNATE[®] PM-400 should be kept properly closed and stored indoors at ambient temperature (15~35°C) in a well-ventilated area. Storage at low temperature (below 5°C) may lead to some crystallization; this material must, therefore, be protected from frost. If crystallization does occur, the material should be heated to 70-80°C to melt it out, and

should then be thoroughly agitated before use.

Extended storage at temperatures above 50°C is not recommended to prevent from the formation of insoluble solids and viscosity increase.

Shelf Life

Under recommended storage conditions, the shelf life of WANNATE® PM-400 is one year since the date of production.

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

Version information:

Date of first issue : June 6 ,2013

Date of 1st revise: Feb 6, 2015 Reason for revision : The need of product classification

Date of 2nd revise : May 5, 2015 Reason for revision: A change of company address

Date of 3rd revise : Aug.18, 2015 Reason for revision: Unified the template of TDS

Date of 4th revise: May 31, 2016 Reason for revision: Change of product standard.

Date of 5th revise: June 30, 2017 Reason for revision: Change of company LOGO.

For further information please contact us:

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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.