Technical Data Sheet

Revision Date:  2017-06-30
Name:  WANNATE® PM-200

Application

WANNATE®PM-200 is a diisocyanate-diphenylmethane (MDI)-based composition containing some higher functionality isocyanates. It is a brown liquid at ambient temperatures.

WANNATE® PM-200 can be widely used in the production of rigid PU foam heat-insulating materials; also used in isocyanurate foam, paints, adhesives, structural foam, cellular integral skin foam, automotive bumper and interior parts, high-resilience foam and synthetic wood, etc. Due to its unique composition structure, WANNATE® PM-200 can provide better flowability. It is, therefore, particularly suitable for the production which require strict flowability of systems.

Typical Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brown Liquid</td>
</tr>
<tr>
<td>Viscosity(25℃)/ (mPa • s)</td>
<td>150-250</td>
</tr>
<tr>
<td>NCO Content/%</td>
<td>30.5-32.0</td>
</tr>
<tr>
<td>Density (25℃ ) / (g/cm³)</td>
<td>1.220-1.250</td>
</tr>
<tr>
<td>Acid Content/%</td>
<td>≤0.030</td>
</tr>
<tr>
<td>Hydrolysable Chlorine/%</td>
<td>≤0.20</td>
</tr>
</tbody>
</table>

Package(s)

210L iron drums, 250kg/drum

Storage

Since WANNATE® PM-200 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-200 should be kept properly closed and stored indoors at ambient temperature (15-35℃) in a well-ventilated area. Storage at low temperature (below 5℃) may lead to some crystallization; this material must, therefore, be protected from frost.

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If crystallization does occur, the material should be heated by rolling the drum in a hot air oven at 70-80°C to melt it out, and should then be thoroughly agitated before use. Melting in a water bath is not recommended.

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-200 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.