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 flow ability. It is, therefore, particularly suitable for the production which require strict flow ability 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.
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.

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**For further information please contact us:**  
Address: Wanhua Chemical Group Co., Ltd.  
No.17, Tianshan Rd, YEDA, Yantai, 264006, China  
Customer service: Tel: +86 (535) 3388000 Fax: +86 (535) 683 7242  
Web-site: http://www.whchem.com  
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