Technical Data Sheet

Revision Date: 2017-06-09
Name: WANNATE® IPDI

Application
WANNATE® IPDI (Isophorone Diisocyanate, 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate) is a cycloaliphatic diisocyanate. It is a low-viscosity liquid with a week but specific odour.

- Ignition Temperature \( \sim 430 \, ^\circ C \)
- Density (20 °C) \( \sim 1.06 \, g/cm^3 \)
- Viscosity (25 °C) \( \sim 10 \, mPa\cdot s \)

WANNATE® IPDI is raw material for polyurethanes. Polyurethane resins based on WANNATE® IPDI have a high resistance to yellowing as well as the typical properties of polyurethanes such as good mechanical properties and chemical resistance. WANNATE® IPDI is characterized by excellent compatibility with other resins and good solubility in all groups of common solvents such as ketones, esters, aromatics, etc.

Specification

<table>
<thead>
<tr>
<th>Properties</th>
<th>Unit</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPDI Purity</td>
<td>(A/A)%</td>
<td>( \geq 99.50 )</td>
</tr>
<tr>
<td>NCO Content</td>
<td>%</td>
<td>( \geq 37.50 )</td>
</tr>
<tr>
<td>Chromatic Number</td>
<td>APHA</td>
<td>( \leq 30 )</td>
</tr>
<tr>
<td>Hydrolysable Chlorides</td>
<td>%</td>
<td>( \leq 0.0200 )</td>
</tr>
<tr>
<td>Total Chlorides</td>
<td>%</td>
<td>( \leq 0.0400 )</td>
</tr>
</tbody>
</table>
Package

200 kg Metal drum

Other packages available according to customer needs

Storage / Solubility

WANNATE® IPDI is sensitive to moisture and therefore should be stored in its sealed original containers. The product will remain stable for at least 9 months without loss of quality in accordance with the above specification. Longer storage may result in an increase in color number.

Shelf Life

WANNATE® IPDI is sensitive to moisture and must be stored in tightly sealed container. It can be stored for at least 9 months at temperatures between 0 and 30 °C.

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, 2013
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

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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.