Application

WANNATE® HTBL-175S is a MEKO blocked aliphatic polyisocyanate based on hexamethylene diisocyanate (HDI) and dissolved in 25% Solvent naphtha 100, colorless to slightly yellowish clear liquid.

Equivalent Weight ~ 378

Density at 25 °C ~ 1.06 g/cm³

Blocked NCO Content ~ 11.1 %

WANNATE® HTBL-175S can be used as the hardener in colorfast and weather-stable, one-component polyurethane coatings. The stoving temperature can be significantly reduced by the addition of a catalyst, e.g. dibutyltin dilaurate (DBTL), without reducing the storage stability. The product is used in high-grade industrial finishes (electrical appliances, small components, can coatings, coil coatings, etc.) and in primer surfacers and topcoats for automotive finishing. WANNATE® HTBL-175S can also be used as an additive in conventional stoving systems to improve the flexibility and adhesion.

Specification

<table>
<thead>
<tr>
<th>Properties</th>
<th>Unit</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids</td>
<td>%</td>
<td>73.0 ~ 77.0</td>
</tr>
<tr>
<td>Viscosity at 25 °C</td>
<td>mPa·s</td>
<td>2500 ~ 4000</td>
</tr>
</tbody>
</table>
### Chromatic Number

<table>
<thead>
<tr>
<th>APHA</th>
<th>≤ 60</th>
</tr>
</thead>
</table>

### NCO Content

<table>
<thead>
<tr>
<th>%</th>
<th>≤ 0.20</th>
</tr>
</thead>
</table>

### 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

Given equivalent crosslinking (NCO/OH = 1.0). WANNATE® HTBL-175S is miscible with polyester polyols, polyether polyols and polyacrylates. WANNATE® HTBL-175S can also be combined with various plasticisers, e.g. phosphoric acid, sulphonic acid, adipic acid and phthalic acid esters. The combinations should always be tested for their compatibility.

### 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

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)- 8203244  Fax: +86 (535)- 3388222-3244
Web-site: http://www.whchem.com  E-mail: PCS@whchem.com

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.