Chemical nature

Prepolymer Based on diphenylmethan-diisocyanat (MDI).

Applications

1-component binder:

1. moisture curing for wood fiber insulation boards.

2. for the production of rebonded foam with superheated steam.

Typical properties

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Unit</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (25°C)</td>
<td>g/cm³</td>
<td>1.22</td>
<td>G 133-08</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20 °C</td>
<td>mPa·s</td>
<td>780</td>
<td>G 133-07</td>
</tr>
<tr>
<td>30 °C</td>
<td>mPa·s</td>
<td>350</td>
<td>G 133-07</td>
</tr>
<tr>
<td>40 °C</td>
<td>mPa·s</td>
<td>190</td>
<td>G 133-07</td>
</tr>
<tr>
<td>Free NCO-content</td>
<td>%</td>
<td>28.5</td>
<td>G 133-06</td>
</tr>
</tbody>
</table>
Delivery

The type of supply for the components will be decided after consultation with our Sales Office.

Storage

The ideal storage temperature is 35 °C. Under these conditions and when moisture is excluded, the shelf life of Lupranat MP 101/1 is at least six months. Drums must be kept airtight. Storage tanks should be blanketed with dry air or with nitrogen.

Longer storage leads to a lasting increase of viscosity depending on the temperature. In extreme cases a precipitate may form which will not be removed by heating.

Safety advice and environmental protection

Transportation, storage, processing, waste treatment and disposal must comply with national regulations.

Lupranat MP 101/1 is classified as harmful if inhaled. It causes skin irritation and serious eye irritation. It may cause respiratory irritation. It may cause sensitisation by inhalation and skin contact. It is suspected of causing cancer. It may cause damage to organs though prolonged or repeated inhalation exposure.

National regulations for exposure limits and labelling must also be observed.

Before processing the product we recommend reading the safety data sheet. For further information consult our Technical Information "Safety and Precautionary Measures for the Processing of Polyurethane Systems".
In order to avoid accidents the residual product in the drums must be handled with care. Any water or moisture which is allowed to enter the drum will react with Lupranat MP 101/1 and release carbon dioxide. Unless action is taken to prevent moisture entry or gas entrapment, the drums will become pressurized and could rupture.

If it is intended to use BASF Polyurethanes GmbH materials for the manufacture of toys or consumer goods (e.g. products which will come into contact with foodstuffs or with the skin) or medical products, national and international regulations have to be observed. Where no regulations exist, consumer goods or medical products must at least comply with European legislation. We recommend contacting our Sales and our Ecology and Product Safety departments.

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