

## Technical Data Sheet

Revision Date: 2020-03-14  
Name: WANNATE™ HMP-100

NO. PCS\_0070  
Version: 1.0

### Application

WANNATE™ HMP-100 (4,4'-dicyclohexyl methane diisocyanate (HMDI) prepolymer) is a aliphatic diisocyanate prepolymer based on polypropylene ether glycol. It is a colorless or pale yellow liquid with low viscosity and characteristic odor.

Density at 25 °C ~ 1.08 g/cm<sup>3</sup>

Freezing Point ≤ 25 °C

WANNATE™ HMP-100 is raw material for polyurethanes 2K elastomer and binder systems. Polyurethane resins based on WANNATE™ HMP-100 have good mechanical strength, light-stable, and weather-resistant. A unique feature of WANNATE™ HMP-100 is its low viscosity for easy production of complex parts with good surface definition. Products based on WANNATE™ HMP-100 can be used in potting resins, tooling resins, encapsulation compounds, decorative products, and fiber reinforced composites.

### Specification

Properties	Unit	Specification
Appearance	-	Transparent liquid
NCO Content	%	26.3~27.1
Viscosity at 25 °C	mPa s	220~320

Chromatic Number

APHA

≤40

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**Package(s)**

200 kg      Metal drum

Other packages available according to customer needs.

**Storage / Solubility**

WANNATE™ HMP-100 is sensitive to moisture and therefore should be stored in its sealed original containers. Water or moisture in the air reacts with the product and generates pressure. If partially filled containers are stored, it is advisable to blanket the liquid surface with dry nitrogen before sealing.

At approx. 25 °C, crystals will generate in WANNATE™ HMP-100 and setting on the bottom. The product should therefore be heated to 40 ~ 50 °C and homogenized before use. This process also allows the use of product which has already crystallized.

**Shelf Life**

WANNATE™ HMP-100 is sensitive to moisture and must be stored in tightly sealed container. It can be stored for at least 6 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: Mar. 14th, 2020

**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.