

Technical Data Sheet

Revision Date: 2018-06-22
Name: WANNATE[®] H1210

NO. PCS_0003
Version: 4.0

Application

WANNATE[®] H1210 (4,4'- dicyclohexyl methane diisocyanate) is a kind of monomeric cycloaliphatic diisocyanate which is colorless or light yellow liquid with low viscosity.

Density at 25 °C	~ 1.07 g/cm ³
Viscosity at 25 °C	~ 30 mPa s
Freezing Point	≤25 °C

WANNATE[®] H1210 can be used as raw material to synthesize polyurethane resins with properties of high flexibility, good mechanical performance, abrasion and hydrolysis resistance, gloss retention and weathering properties. WANNATE[®] H1210 is extremely suitable to produce optically clear polyurethanes from reacting with polyols. Products based on WANNATE[®] H1210 would be used in coatings for synthetic leather, flooring, roofing, optical fiber, and textile applications as well as in casting elastomers, packaging, medical products, adhesives and sealants.

Specification

Properties	Unit	Specification
Purity	%(A/A)	≥ 99.50
NCO Content	%	≥ 31.8
Color Value	APHA	≤ 30
Hydrolysable Chlorides	%	≤ 0.0010

Total Chlorides	%	≤ 0.10
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Package(s)

200 kg Metal drum

Other packages available according to customer needs.

Storage / Solubility

WANNATE[®] H1210 should be stored in its original sealed containers and be protected from moisture, heat and foreign material. When stored under proper conditions at room temperature, the product will remain stable for at least 12 months. If partially filled containers are stored, it is advisable to blanket the liquid surface with dry nitrogen before sealing.

Storage at temperatures of approx. 25 °C and below can result in crystallization and appropriate settling at the bottom. This solidification is reversible by briefly heating the product to 40~50 °C and homogenized without affecting the quality of the product.

Shelf Life

WANNATE[®] H1210 is sensitive to moisture and must be stored in tightly sealed container. It can be stored for at least 12 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

Date of 3rd revise: June 22, 2018 Reason for revision: Change of shlef life

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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.