

Water Dispersible Polyisocyanate

Technical Data Sheet

Name: Aquolin[®] 161
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NO. AA_001
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Product Description

Aquolin[®] 161 can be used in combination with various hydroxyl-functionalized dispersions to formulate aqueous two component clear and color top coats for various coating and adhesive applications and can also be used as additives to improve the performance of waterborne coatings.

Properties

1. High degree of functionality and 100% Solids.
2. Water-dispersible and good compatibility.
3. Yellow resistance.
4. Environmentally friendly and low VOC.

Characteristic data^{*}

Property	Value	Unit	Method
Appearance	Transparent to slightly yellowish liquid		
Weight Solids	100%	%	WHPU/T 011-571-2017
NCO content on solids	18.0-19.0	%	GB/T 12009.4-2016
Viscosity	2000-4000	mPa·s	Brookfield LV, 63#/3rpm,25°C
Color APHA	<60		GB/T 1722-1992
HDI monomer content	≤0.2	%	GB/T 18446-2009
Flash point	~226	°C	GB/T 5208
Density	~1.16	g/cm ³	GB/T4472-2011
Pot life	~4	h	

*Property values represent typical results only and are not to be considered as specifications, subject to specific COA

Handling and Precautions

Aquolin[®] 161



Aquolin[®]161 has good compatibility with many solvents such as esters, ether esters, xylene and solvent naphtha 100. Urethane grade solvent is recommended (moisture content of less than 0.05%) and do specific experiments before using.

Storage

The product should be stored in dry conditions above 5°C and below 35°C with the integrity of the packaging, and prevent direct sunlight. The validity of this product is for at least 6 months, performance assessment is recommended before use after more than 6 months. The product should be protected from freezing during storage. After opening the packing, suggested to use up one time.

Disclaimer: Wanhua Chemical Group Co., LTD. recommends that any customers of this material should check with Materials Safety Data Sheet (MSDS) for details about safely handling this material. We also suggest that you contact the suppliers of any other materials used in our recommended formulations and suggestions for appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.