

Water Dispersible Polyisocyanate

Technical Data Sheet

Name: Aquolin[®] 270
Revision Date: 2017-12-24

NO. AA_005
Version: 1.1

Product Description

Aquolin[®] 270 can be used in combination with various hydroxyl-functionalized dispersions to formulate aqueous 2k coatings as crosslinker. It has excellent water dispersibility and fast drying.

Properties

1. Excellent water dispersibility.
2. High content of NCO.
3. Fast drying.
4. Yellow resistance.
5. Environmentally friendly and low VOC.

Characteristic data*

Property	Value	Unit	Method
Appearance	Transparent to slightly yellowish liquid		
Weight Solids	99.5-100	%	WHPU/T 011-571-2017
NCO content on solids	21.0-22.0	%	GB/T 12009.4-2016
Viscosity	1500-3500	mPa·s	Brookfield, LV, 63#, 30rpm, 25°C
Color APHA	< 80		GB/T 1722-1992
HDI monomer content	≤ 0.2	%	GB/T 18446-2009
Flash point	~196	°C	GB/T 5208
Density	~1.16	g/cm ³	GB/T4472-2011

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

Aquolin[®] 270



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 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, it is 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.