

Aqueous polyurethane dispersion

## Technical Data Sheet

Name: Crysol® 6120  
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NO.IC\_064  
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### Product Description

**Crysol® 6120** is a special designed self-crosslinking polyurethane dispersion, especially used for plastic paint. It has good compatibility with acrylic emulsion and polyurethane dispersion. Approx. 40% in water/N-Ethyl-2-pyrrolidone with the ratio approx. 58.8 : 1.2, neutralized with approx.<1% triethylamine. Biocide: CMIT/MIT 3:1 15ppm, and MIT 100ppm.

### Properties

1. Excellent adhesion to plastic substrates(PC, PC+ABS, ABS, PVC).
2. Excellent water resistance.
3. Excellent wear resistance and yellowing resistance.
4. Good film transparency, high gloss and hardness.
5. APEO-free, NMP-free and Tin-free, ultra-low VOC.

### Characteristic data\*

Property	Value	Unit	Method
Appearance	Translucent to milky white		
Weight Solids	40±1	%	WHPU/T011-571-2017
pH	7.0-9.0		GB 6920-1986
Viscosity	10-200	mPa·s	Brookfield,LV,61#,30rpm,25°C
MFFT	40	°C	GB/T 9267-2008
Water absorption rate(24h)	7	%	

\*These properties are typical but do not constitute specifications.

### Storage

The product should be stored in dry condition between 5~35°C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 6 months, performance assessment is recommended before use after shelf life. The

# Crysol<sup>®</sup> 6120



product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.

**Disclaimer:** Wanhua Chemical Group Co., LTD. recommends that customers should check with Materials Safety Data Sheet (MSDS) for details about safety instructions. We also suggest that you contact the suppliers of other materials used in our recommended formulations and consult 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.