

Aqueous UV-curable urethane copolymer dispersion

Technical Data Sheet

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Name: Urosin[®] 4616

TDS NO: WHSM_4616

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Product Description

Urosin[®] 4616 is a UV-curable polyurethane dispersion with fine particle size, it is widely used in water base wood and plastic coatings. It is an environment-friendly product containing no APEO, solvent and organotin. It is neutralized with less than 1.0% triethylamine. Biocide: CMIT/MIT 3:1 12ppm, and MIT 100ppm.

Properties

1. Fine particle size, good wet film clarity
2. High matting efficiency
3. Film tack free before UV cure
4. Good storage stability

Characteristic data*

Property	Value	Unit	Method
Appearance	Translucent to milky white		
Weight solids	36-38	wt%	WHPU/T011-571-2017 (5cm, 150°C, 20min)
pH value	7.0-9.0		GB 6920-1986
Viscosity (25°C)	10-500	mPa·s	GB/T2794-2013(Brookfield LV, 62#/30rpm)

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

Storage

The product should be stored in dry conditions above 5°C and below 30°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. Well filtration before using is necessary as normal water based binder.

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

Urosin[®] 4616



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