

Aqueous Polyurethane Dispersion

Technical Data Sheet

Name: Leasys[®] 3102
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Product Description

Leasys[®] 3102 is an anionic aliphatic polyester-polyurethane dispersion. It can be used with w/b polyurethane or acrylic finishing to adjust gloss, elasticity and handle, also used alone. It is free of organic solvent, heavy metal and widely applied in leather finishing, textile coating and printing ink. Biocide: CMIT/MIT 3:1 49ppm, H₂O₂ 200ppm.

Properties

1. Self matt resin, excellent black and fog effect and heat-resistance
2. Skin handle and down-feeling
3. Good adhesion with substrate of PU/PVC etc.
4. Free of organic solvent, heavy metal

Characteristic data*

Property	Value	Unit	Method
Appearance	Milky white liquid		
Weight Solids	34.0-36.0	%	WHPU/T011-571-2017
Density	1.02-1.09	g/cm ³	GB/T4472-2011
pH	7.0-9.0		GB/T 6920-1986
Viscosity	10-1200	mPa·s	Brookfield,LV,63#,30rpm,25°C
Blackboard coating gloss	<1	°	(60°,150μm)

*These properties are typical but do not constitute specifications.

Storage

Leasys[®] 3102 has a shelf life of at least 6 months (immediately following the date of manufacture) if it is stored in its tightly sealed original packaging at temperatures between 5°C and 35°C. Leasys[®] 3102 may be slight precipitation during the shelf life storage, but its

Leasys[®] 3102



performance will not be affected after well stirring. Leasys[®] 3102 freezes at temperatures below 0°C and this will cause irreversible damage. The product should therefore be protected from freezing during storage. The technical properties of the emulsion may change as a result of storage time and storage conditions. This can lead to deviations from the given specifications. Skins or lumps can form during storage and transport of the dispersion due to its film forming nature. A filtration or sieve process is recommended before further processing.

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.