

Aqueous Polyurethane Dispersion

Technical Data Sheet

Name: Leasys[®] 5531
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Product Description

Leasys[®] 5531 is anionic aliphatic polyester-polyurethane dispersion which has high gloss and hard handle, and can be used as textile coating, topcoat of leather and high gloss finishing. Organic solvents and neutralizing agent: Triethylamine <2%. Biocide: 100ppm DBNPA and 200ppm MBIT.

Properties

1. High gloss
2. Yellow resistance
3. Abrasion resistance

Characteristic data*

Property	Value	Unit	Method
Appearance	Translucent liquid		
Weight Solids	34-36	%	WHPU/T011-571-2017
pH	7.0-9.0		GB/T 6920-1986
Viscosity	20-300	mPa·s	Brookfield,LV,62,30rpm,25°C
Density	1.02-1.09	g/cm ³	GB/T4472-2011
Tensile strength	~60	MPa	
Elongation at break	~400	%	
100% Elongation modulus	~12	MPa	
Blackboard coating gloss	90	°	(60°,150μm)
MFFT	~18	°C	GB/T 9267-2008

*These properties are typical but do not constitute specifications.

Storage

Leasys[®] 5531 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,

Leasys[®] 5531



performance assessment is recommended before use after more than 6 months. The product should be protected from freezing during storage. Leasys[®] 5531 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.