



Aqueous Polyurethane Dispersion

Technical Data Sheet

Name: Leasys 3900 Revision Date: 2019-04-02 NO.WHSM_3900 Version: 1.1

Product Description

Leasys 3900 is an anionic aliphatic polyether-polyurethane dispersion which has a high gloss, high black transparent effect, hard and dry handle for high gloss finish when is used in synthetic leather base, leather and textile coatings. Organic solvents and neutralizing agent: Triethylamine <2%. Biocide: CMIT/MIT=3:1 49ppm.

Properties

- 1. High gloss
- 2. Yellow resistance
- 3. High abrasion resistance
- 4. Good flex performance

Characteristic data^{*}

Property	Value	Unit	Method
Appearance	Translucent liquid		
Weight Solids	37-39	%	WHPU/T011-571-2017
Density	1.02-1.09	g/cm ³	GB/T4472-2011
рН	7.0-9.0		GB/T 6920-1986
Viscosity	20-1000	mPa∙s	Brookfield,LV,62#,30rpm,25°C
Tensile strength	~35	MPa	
Elongation at break	~300	%	
100% Elongation modulus	~16	MPa	

*These properties are typical but do not constitute specifications.

Storage

Leasys 3900 should be stored in dry conditions above 5° Cand below 35° Cwith 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. Leasys 3900 freezes at temperatures below

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Leasys 3900



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.