

PUD 101

Waterborne polyurethane dispersion

PRODUCT DESCRIPTION

PUD 101 is an aqueous aliphatic polyurethane dispersion

CHARACTERISTIC

Chemical Structure	Waterborne, anionic, polyester-based polyurethane dispersion		
Appearance	Milky Liquid		
			Reference method
Non-volatile content (by weight % (105°C))	%	40±2	ASTM D2369-07
pH (23°C)		8±1	ISO 976
Viscosity (23°C)	cps	<2000	ISO 1652, Brookfield RVT Spindle R3

FILM PROPERTIES

			Reference Method
100% Modulus	N/mm ²	1,8	ASTM D1708-18
Elongation at break	%	>1000	ASTM D1708-18
Tensile strength	N/mm ²	15	ASTM D1708-18
MFFT	°C	<0	ASTM D2354
Light Fastness	Five scale	5/5	EN ISO 105-B02

Films are dried at room temperature

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KEY PROPERTIES

- High elasticity,
- Good pilling and abrasion resistance for textile solutions with good hand feel
- Transparent, gloss, and very soft film properties

APPLICATIONS

- PUD 101 can be diluted with water.
 - It can be formulated with crosslinkers, pigments, thickeners, and other additives
 - Suitable for mechanical foaming, foulard and coating applications
- ! Mix well before use.

PACKAGING & STORAGE

Packaging type

120 kg plastic drums, 1000 kg IBC's.

Storage



In originally closed containers' dispersions are stable when stored at 10°C-30°C for 6 months. The containers must be well closed to prevent the evaporation of water which may result in the formation of a non-redispersible film. The recommended temperature-range for storage is freezing or storage at higher temperatures than 30°C can affect the viscosity or the average particle size and finally lead to a sedimentation or coagulation. A contamination with bacteria, fungi, or algae can damage the product irreversibly. A longer storage than six months does not mean that the product is not usable anymore, but we recommend to checking the specification data before use.

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