

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
Density (23°C)	g/ml	1,03±0,1	ASTM D1217-20

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

Head office Denge Kimya ve Tekstil San. Tic A.S-Velimese OSB Mah 259 No:4-1 Ergene /Tekirdag Phone +902826745400

The details contained herein are based on our present state of technology and shall inform on our products and their application possibilities. Our recommendations are in line with our present state of knowledge and do not provide any guarantee.

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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.