PUD 121

Waterborne polyurethane dispersion

PRODUCT DESCRIPTION

PUD 121 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	2	ASTM D1708-18
Elongation at break	%	>1000	ASTM D1708-18
Tensile strength	N/mm^2	18	ASTM D1708-18
MFFT	^0C	nda*	ASTM D2354
Light Fastness	Five scale	5/5	EN ISO 105-B02

Films are dried at room temperature
nda*: No Data Available

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KEY PROPERTIES

- Gloss,
- Coating for shiny effect,
- Elastic film properties,
- Foamable

APPLICATIONS

- Suitable for denim coating,
- It can be diluted with water,
- It can be formulated with crosslinkers, pigments, thickeners, and other additives.
- Suitable for mechanical foaming, foulard, and coating.

! 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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