

PUD 105

Waterborne polyurethane dispersion

PRODUCT DESCRIPTION

PUD 105 is an aqueous polyurethane dispersion.

CHARACTERISTIC

Chemical Structure	Aqueous, aliphatic, anionic, polyether-ester based polyurethane dispersion		
Appearance	Milky liquid		
			Reference method
Non-volatile content by weight % (105°C)	%	43±2	ASTM D2369-07
pH (23°C)		8±1	ISO 976
Viscosity (23°C)	cps	<2000	ISO 1652, Brookfield RVT Spindle 3

FILM PROPERTIES

			Reference Method
100% Modulus	N/mm ²		ASTM D1708-18
	2,50		
Elongation at break	%	15	ASTM D1708-18
Tensile strength	N/mm ²		ASTM D1708-18
	>1000		
MFFT	°C	<0	ASTM D2354
Light Fastness	Five scale	5	EN ISO 105-B02

Films are dried at room temperature

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KEY PROPERTIES

- water column properties with washing resistance under hydrostatic water pressure,
- transparent coating,
- soft touch elastic film properties
- foamable

APPLICATIONS

- PUD 105 can be diluted with water.
- It can be formulated with crosslinkers, pigments, thickeners, and other additives.

PACKAGING & STORAGE

Packaging type

120 kg plastic drums, 1000 kg IBC's.

Storage



In originally closed containers' dispersions are stable when stored at 10-30°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 10-30°C 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 checking the specification data before use.