

## PUD 104

Waterborne polyurethane dispersion

### PRODUCT DESCRIPTION

PUD 104 is an aqueous, aliphatic polyurethane dispersion.

### CHARACTERISTIC

Characteristic	Value	Reference method
<b>Chemical Structure</b>	Aqueous aliphatic polycarbonate-based polyurethane dispersion	
<b>Appearance</b>	Milky liquid	
<b>Non-volatile content by weight % (105°C)</b>	% 40±1	ASTM D2369-07
<b>pH (23°C)</b>	8±1	ISO 976
<b>Viscosity (23°C)</b>	cps <2000	ISO 1652, Brookfield RVT Spindle R3

### FILM PROPERTIES

Property	Value	Reference Method
<b>100% Modulus</b>	N/mm <sup>2</sup> 10	ASTM D1708-18
<b>Elongation at break</b>	% <300	ASTM D1708-18
<b>Tensile strength</b>	N/mm <sup>2</sup> 24	ASTM D1708-18
<b>MFFT</b>	°C <0	ASTM D2354
<b>Light Fastness</b>	Five scale nda	EN ISO 105-B02

Films are dried at room temperature  
nda: No data available

## PUD 104

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### KEY PROPERTIES

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- PVC free eco solution for rubbery touch
- high gloss
- hard film properties

### APPLICATIONS

- PUD 104 can be diluted with water
  - PUD 104 can be formulated with crosslinkers, pigments, thickeners, and other additives
  - PUD 104 can be used in; padding, textile coating, and textile impregnation
- ! Mix well before use.

### PACKAGING & STORAGE

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#### 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.