

## PUD 120

Waterborne polyurethane dispersion

### PRODUCT DESCRIPTION

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PUD 120 is an aqueous aliphatic polyurethane dispersion.

### CHARACTERISTIC

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**Chemical Structure** Weak cationic, aqueous aliphatic polyether-based polyurethane dispersion

**Appearance** Translucent liquid

**Non-volatile content**

(by weight % (105°C))

%

28±1

**Reference method**

ASTM D2369-07

**pH (23°C)**

4,7±0,4

ISO 976

**Viscosity (23°C)**

cps

ISO 1652, Brookfield RVT

Spindle R3

### KEY PROPERTIES

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- Easy to formulate with other textile finishing materials
- Thermo-reactive
- Self-crosslinking
- Low molecular weight
- For hydrophilic finishes

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### APPLICATIONS

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- Lyocell-type fiber may have a formation of fibrillation under wet conditions. In lyocell, pill generation occurs due to fibrillation. The fuzz is mainly generated by mechanical abrasion in dry conditions while the fibrillation is caused by mechanical abrasion in wet conditions. PUD 120 helps reduce surface pilling and the tendency of fibrillation after many times of washing cycle
- Formulations with PUD 120 can improve moisture management

### PACKAGING & STORAGE

#### Packaging type Storage

120 kg plastic drums, 1000 kg IBC's.



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.