

PAPER CHEMICALS KOREA

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Technical Information

SEMP-220

RETENTION AGENT

The expected benefits of SEMP-220 are as follows.

- (1) Increases retention value ⇒ Better stability of wet end part
- (2) Improves drainage rate ⇒ Better productivity
- (3) Controls the drainage speed at each ply ⇒ Prevents from blistering
- (4) Decreases COD and SS of white water ⇒ White water treatment cost down
- (5) Increases the ash content in the paper and improves the overall paper qualities

Characteristics

Chemical Description	Cationic Polyacrylamide in Emulsion
Appearance	Milky white liquid (at 25°C)
Specific Gravity	1.01 ± 0.03 (at 25°C)
pH Value	4.0 ± 0.5 (0.5% solution at 25°C)
Solid	45.0 ± 2.0% (at 120°C, 2hrs)
Viscosity	Under 1,000 cPs (at 25°C, Brookfield 60 rpm)
Shelf Life for Storage	12 months (Original sealed packaging & at room temperature)

Applications

Dosage of **SEMP-220** is 0.01 ~ 0.08% wet base of dry stock. Apply into the fan pump inlet or outlet, screen inlet or outlet.

Dilute less than 0.1% and dose with special dosing units.

Safety

SEMP-220 does not exert any harmful effects on the health when it is used properly. The attention for handling and the precautions in details are given in MSDS.