

PAPER CHEMICALS KOREA

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Technical Information

MPM

DRAINAGE & RETENTION AGENT

Mode of action

- (1) High molecular weight and cationic polyacrylamide solution
- (2) MPM forms the micro & hard flocs in wet end and gives higher retention of the fibers, fillers, fines and wet end chemicals.

The expected benefits of MPM are as follows.

- (1) Faster drainage rate at wire and press section
- (2) Continuous clarification of process water and keeping COD of effluents low
- (3) Paper strength improvement and lower dosage of cationic starch
- (4) Fixing rosin size, starch, AKD, ASA and dyes on fibers

Characteristics

Chemical Description	Cationic Polyacrylamide
Appearance	Clear liquid
Specific Gravity	1.01 ± 0.03 (at 25 °C)
pH Value	4.0 ± 1.0 (at 25 °C)
Solid	10.0 ± 1.0% (at 105 °C, 2hrs)
Viscosity	Under 20,000 cPs (at 25 °C, Brookfield 30 rpm)
Shelf Life for Storage	12 months (Original sealed packaging & at room temperature)

Applications

It is recommended that **MPM** dosage is about 0.1 ~ 0.5% on dry stock, and its dosing point can be machine chest, fan pump or screen. It is needed to dilute less than 1% with water and dose via in-line mixer.

Safety

MPM 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.