

MSR

DRY STRENGTH AGENT

The expected benefits of MSR are as follows.

- (1) Excellent performance at wide pH range (pH 4 ~ 8)
- (2) Faster drainage rate
- (3) Forms Micro & Hard flocculation ⇒ Increases the bursting, compression strength, and breaking length of recycled pulp (Ex. OCC)
- (4) Retention of the fiber fines, filler and **cationic starch**
- (5) Low starch consumption and low COD of the back water

Characteristics

Chemical Description	Modified Polyacrylamide in Aqueous Solution
Appearance	Clear liquid
Specific Gravity	1.05 ± 0.05 (at 25 °C)
pH Value	4.0 ± 1.0 (at 25 °C)
Solid	12.0 ± 1.0 (at 105 °C, 2 hrs)
Viscosity	Under 20,000 cPs (at 25 °C, Brookfield 30 rpm)
Ionic Charge	Amphoteric
Shelf Life for Storage	12 months (Original sealed packaging & at room temperature)

Applications

Dosage of **MSR** is 0.2 ~ 5.0 % wet base of dry stock. Apply to mixing chest inlet & outlet, fan pump & screen inlet / outlet. Dilute less than 1% and dose through in-line mixer.

Safety

MSR 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.