

GPG

DRY STRENGTH AGENT

The expected benefits of GPG are as follows.

- (1) Excellent performance at acid pH range
- (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	1.10 ± 0.10 (at 25 °C)
pH Value	5.0 ± 1.0 (at 25 °C)
Solid	13.0 ± 1.0 (at 105 °C, 2 hrs)
Viscosity	Under 4,000 cPs (at 25 °C, Brookfield 60 rpm)
Ionic Charge	Anionic
Shelf Life for Storage	12 months (Original sealed packaging & at room temperature)

Applications

Dosage of **GPG** is 0.3 ~ 3.0 %, wet base of dry stock. Apply to machine chest inlet & outlet, fan pump & screen inlet / outlet. Dilute less than 1% and dose through in-line mixer.

Safety

GPG 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.