

STRONG Performance

HYBRID technology enables papermakers to attain important on-machine-efficiency (OME) and sheet quality gains in formation, porosity and smoothness. Designed for performance, this new technology provides controllable drainage in high-speed machines, and improves ash/fines retention to complement existing programs without hurting formation.

Improved retention reduces cost on additives and furnish, delivering operational cost savings. Productivity is increased through higher machine speeds and improved runnability.

- ◆ Maximizing retention and drainage performance
- ◆ Reducing total cost of operation and environmental impact

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B-1286





BENEFITS

HYBRID technology can be used either as a standalone program or in conjunction with PARETO mixing technology. The addition of a cationic flocculant maximizes benefits to:

- improve drainage
- increase runnability and production
- enhance sheet quality
 - formation
 - porosity
 - smoothness
- reduce total cost of operation (TCO)
 - filler/fiber/fines retention
- enhance final paper quality

RETENTION, DRAINAGE & FORMATION

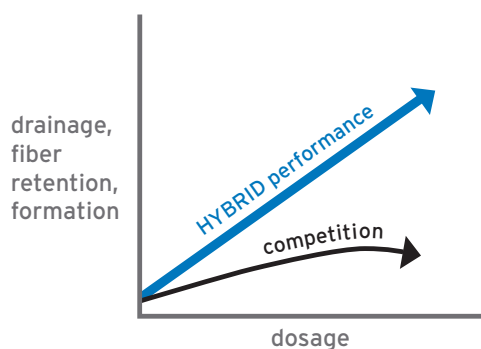
Wet-end chemicals such as flocculants, hybrids and microparticles:

- enhance the retention of filler and fine materials
- modify the dewatering/drainage profile in the machine forming and press sections
- influence formation and other structural properties such as porosity

HYBRID technology has been designed primarily but not exclusively for board and packaging and newsprint manufacturers, offering quantitative benefits especially to producers with:

- systems with medium to high charge demand
- high speed paper machines
- systems with closed water/fiber loops
- high conductivity
- systems where traditional flocculants or coagulants perform poorly
- high furnish fluctuation

HYBRID technology designed for strong performance



- ◆ designed to provide maximum drainage
- ◆ designed to complement your retention aid program while not hurting formation
- ◆ designed to reduce your total cost of operation