

PAPER CHEMICALS KOREA

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Technical Information

MST

PLY BONDING & SIZING AGENT

The expected benefits of MST are as follows

- (1) Improvement in ply bonding and internal bonding strength
- (2) Improvement in ring crush, tearing strength, tensile strength, folding endurance, stiffness and paper thickness (lower paper density or high bulk).
- (3) Prevent paper strength deterioration from seasoning and humidity
- (4) Higher sizing degree.
- (5) Better smoothness and porosity of (base) paper
- (6) Better coated paper properties.

Characteristics

Chemical Description	Modified acrylic copolymer emulsion
Appearance	Light brown liquid
Specific Gravity	1.05 ± 0.05 (at 25°C)
Solid	35.0 ± 2.0% (at 105°C, 2hrs)
pH Value	4.0 ± 1.0 (at 25°C)
Viscosity	Under 5,000 cPs (at 25°C, Brookfield 60 rpm)
Shelf Life for Storage	12 months (Original sealed packaging & at room temperature)

Applications

MST can be sprayed between wet web plies after mixing it with oxidized or natural starch in starch make-up tank.

Safety

MST 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.