

INTERNAL PAPER STRENGTHENING AGENT [POLYSTRON]

Adding pulp slurry will improve paper strength

- Used for a wide range of applications ranging from acid-to-weak acid papers, neutral papers, paperboards (e.g. liner, corrugating medium and core paper), fine papers and coat papers.
- Improves yield and drainage while increasing the internal strength, surface strength, and interlayer strength of paper

Product lineups

Product	Appearance	Electric Charge	Solid (%)	pH	Viscosity (mPa·s) (25°C)	Use and Characteristics
Polystron CH-117	Pale yellow transparent liquid	Anionic	15 min.	5.0-7.0	3,000-7,000	Dry paper strengthening agent for all paper
Polystron CH-1400	Pale yellow slightly turbid liquid	Amphoteric	20 min.	2.5-4.5	5,000-11,000	Effective in semi-acidic to neutral range. Suitable for high strength liner board with good formation. Excellent effect in dry strength and retention.
Polystron CH-1428	Pale yellow slightly turbid liquid	Amphoteric	20 min.	2.5-4.5	5,000-10,000	Effective in semi-acidic to neutral range, and at higher electrical conductivity Suitable for high strength liner board and gypsum liner board,
Polystron CH-1500	Pale yellow slightly turbid liquid	Amphoteric	20 min.	2.5-4.5	7,000-13,000	Excellent effect in dry strength, drainage and retention
Polystron CH-1500	Pale yellow slightly turbid liquid	Amphoteric	20 min.	2.5-4.5	7,000-13,000	Effective in semi-acidic to neutral range. Suitable for high strength liner and corrugated medium board and printing paper. Excellent effect in dry strength, drainage and retention.
Polystron CH-1508	Slightly white-turbid viscous aqueous solution	Amphoteric	15 min.	3.0-4.0	7,000-13,000	Effective in semi-acidic to neutral range, and at higher electrical conductivity. Suitable for high strength liner board, core board, and newsprint. Excellent effect in dry strength, drainage and retention.
Polystron CH-1518	Slightly white-turbid viscous aqueous solution	Amphoteric	15 min.	2.5-4.5	1,000-6,000	Effective in semi-acidic to neutral range, and at higher electrical conductivity. Suitable for high strength liner board, core board, and corrugated medium. Excellent effect in dry strength, drainage and retention.
Polystron CH-1558	Pale green to brown slightly turbid liquid	Amphoteric	15 min.	2.1-3.5	1,000-4,000	Effective in semi-acidic to neutral range. Suitable for white paperboard, liner board. Excellent dry strength effect, and fixing effect for other dry strength agent in no alum condition.
POLYSTRON	Slightly white-turbid viscous aqueous solution	Amphoteric	15 min.	3.0-4.0	7,000-13,000	Applied when the low content of acrylamide monomer in the product is required. The performance is expected the same as original one.
CH-1508LA	Slightly white-turbid viscous aqueous solution	Amphoteric	15 min.	3.0-4.0	7,000-13,000	Applied when the low content of acrylamide monomer in the product is required. The performance is expected the same as original one.