

MODIFIED STARCH T-135 (INDUSTRIAL GRADE)

Description : T-135 is a cationic modified industrial starch derived from tapioca roots. The starch is modified and formulated specifically to improve its performance in papermaking.

Application : T-135 is used as wet-end additives in paper manufacturing, specifically in the production of writing and printing paper.

Function and Benefit : T-135 is added during wet-end process in the papermaking, to improve paper strength, water retention, drainage ability, and fibre bonding, as well as to improve the production capacity and productivity. T-135 is also used as a dry and surface improvement aid. Moreover, in an alkaline papermaking, T-135 acts as an integral part in the wet-end retention system. T-135 acts as an ASA emulsifying agent that improves particle size of ASA emulsion and hence results in better ASA performance.

Recommended Cooking Condition : 90°C for Conventional Method.
 110°C for Jet Cooking.

PHYSICAL AND CHEMICAL DATA

| | | |
|-----------------------------------|--------------------|-------|
| Degree of Substitution | 0.035 - 0.040 | |
| Nitrogen content | 0.29 - 0.33 | % |
| Dry solid content | Min. 86 | % |
| pH (at 20 % solution) | 5.5 - 7.5 | |
| Conductivity | Max. 500 | uS/cm |
| Viscosity | > 1,000 | cP |
| Sieve test : pass through 40 mesh | Min. 99 | % |
| Ash | Max. 0.5 | % |
| Colour | White to off-white | |
| Odour | Odourless | |

Packaging : 25-kg Open Mouth Multiwall Paperbag
 850-kg Circular Woven Jumbo Bag

Label Instruction : Product name, manufacturer's details, manufacturing date, expiry date, lot number and net weight.

Shelf Life & Storage Condition : 2-year shelf life. Keep closed packaging in dry and clean area at ambient temperature.

Do not store near aromatic material and ignition source.

Safety Information : Please see Material Safety Data Sheet (MSDS).

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