

SMIL-O-CAT (Cationic Starch)



BRIEF

SMIL-O-CAT is a cationic wet end starch used as per objectives of paper machines. SMIL-O-CAT has a cationic group added to starch molecule hence making it positive charged particle to get its maximum affinity with naturally negative charged fibers. This phenomenon provides many advantages to paper maker as stated.



CHARACTERISTICS:

- Better internal strengths properties
- Higher Breaking length or Bursting strength
- Retention of fillers & fines
- Faster drainage & improved sheet formation.
- Improved effluent quality & reduced costs.
- Better coverage of size on fiber.



PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fine White Powder
Character	Cationic
Moisture	13% Max.
pH (10% Aqueous Solution)	4.5 – 6.5
Nitrogen Content	Ranges from 0.015 to 0.04 as per requirement
Total Ash	5.0% Max on DB
Sulphur Dioxide	300 ppm Max
Solubility	100% when Cooked
Iron	90 ppm Max.
Mesh Size-pass through 100 Mesh%	85.00

*The specifications can be customized as per customer's requirement.



PACKAGING

25Kg PP Bags/Paper Bags, 50Kg PP Bags, 500/850/1000Kg HDPE Bags



STORAGE:

To be stored on above ground on clean, dry and dust free warehouse, Maintain ambient temperature, Keep away from water, direct sunlight and flames.



SHELF LIFE

2 Years from the date of manufacturing in closed packing.