

Product description

NewChem-C100 is a copolymer of acrylamide and a quaternized cationic monomer, supplied as a high molecular weight, free-flowing white granular powder.

Specification

Property	Value
Appearance	White powder
Degree of Charge	Medium-High
Molecular Weight	High
Solid content %	≥ 88%
Bulk Density (kg/m ³)	600 – 800
pH (0.5% @ 25°C)	6 – 8
Insoluble (w/w %)	< 0.5%
Mesh Size (20-80 mesh)	>90%
Residual Acrylamide	≤ 1000 ppm (Typical)
Viscosity (cps @ 25°C)	
0.10% Solution	< 250 cps
0.25% Solution	< 450 cps
0.50% Solution	< 650 cps
CAS No.	9003-05-8 (Generic PAM)

Application and uses

NewChem-C100 is designed for use in a variety of municipal and industrial applications, including but not limited to:

- Sludge dewatering (belt press, centrifuge, screw press).
- Water clarification & industrial processes.
- Retention and drainage aid in paper making.



Benefits

- Effective flocculant for solid-liquid separation.
- Medium-High cationic charge density.
- High molecular weight for specific applications.
- Performs well in a pH range of 6-8.
- Easily soluble in water.

Application instruction

Add slowly to water with good agitation; avoid lumps.
Typical concentration: 0.1% to 0.5%. Stock up to 1.0%.
Mix 30-60 minutes for full hydration.
Use clean water; quality can affect performance.
Use solutions within 24-48 hours for best results.

Storage

- Store cool, dry, ventilated, < 40°C, unopened
- Shelf Life: 24 months as stored.

Packaging

Standard: 25 kg net moisture-resistant bags.
Other sizes may be available upon request of customers.

