

# Technical Specification

## Poly Acrylamide

Product name: Poly Acrylamide

CAS No: 9003-05-8

Formula:  $C_3H_5NO$

Molecular weight: 71.0079

Description: Polyacrylamide, known as PAM, is a white powder or granule. Polyacrylamide is a kind of macromolecule polymer. It is not soluble in some organic solvents. Provided with a good flocculability, Polyacrylamide can lower the friction resistance between liquids. As a highly-effective flocculability, small usage of this material can purify a few times of water compared with other flocculants. Polyacrylamide is divided with anionic Polyacrylamide, cationic Polyacrylamide and nonionic Polyacrylamide. They are widely used in water treatment including sewage water, drinking water and industry water treatment.

Physical Properties: Poly acrylamide, existed in powder form or granule form, is a white material and freely soluble in water. Polyacrylamide is not soluble in some organic solvents such as alcohol, acetone, benzene, toluene, xylene or gasoline.

Appearance	White or yellowish powder
Degree of charge (mol/mol) %	15-20
Molecular weight, 10	>8
Solid content %	≥88

Viscosity, cps

0.10%	100
0.25%	150
0.50%	300
Residual Acrylamide, ppm	250 max

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