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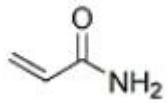
Technical Data Sheet

Polyacrylamide

Product Information

Chemical Name	Polyacrylamide
CAS #	9003-05-8
EINECS#	
Formula	C3H5NO
Molecular Weight	71.0779
Synonyms	Polyacryamide, Anionic Polyacrylamide, Acrylamide-acrylate-co-polymer, Anionic Polymer, PAM, APAM

Chemical Structure



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 betweem liquids. As a highly-effective flocculability, small usage of this material can purify a few times of water compared with other flocculants. Polyacrylamide is devided 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

Polyacrylamide, 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.

Specification

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	250max

Applications

Polyacrylamide(PAM) is devided into anionic PAM, cationic PAM and nonionic PAM. According to specified application field, each solution should be provided in detail. The main uses are as following.

Polyacrylamide, as a flocculant, can be widely used in industrial waste water,mixed industrial-domestic wastewater, sewage and drinking water treatment. Also, its application areas include the following fields for its solid-liquid separation property:Petroleum, metallurgy, electric power, chemical industry, papermaking, printing and dyeing, coal, tanning, pharmaceutical, food, stone,and so on.

Packaging

25kg per bag with inner PE bag

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