NUMATIK ENGINEERS PVT. LTD.
ENGINEERS & CONSULTANT

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Nonionic Polyelectrolyte

Grades of Nonionic polyelectrolyte:

Powder form: FLOCSURE-PN of various grades

All this grades of Flocculant are high molecular weight nonionic polyacrylamide flocculant, with acrylamide monomer content not exceeding 0.05%.

Advantages:

- Economical to use
- Effective at very low dosage levels, resulting in reduced handling and storage costs.
- Works over a wide pH range and does not alter pH in the system.
- Larger, faster-settling flocs are formed in gravity settling operations.
- Increased filtration rates and drier cakes are produced in filtration processes. Sludges contain less ash when incinerated.
- Higher solids capture, increased clarity, and greater throughput are attained in centrifugation.
- Air flotation operations produce clearer underflows and grater throughput.

Principal Uses:

Municipal and industrial water treatment

Clarification industrial raw waters, often in conjunction with in organics such as Alum

Alum sludge dewatering

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Application:

Any grade of our Nonionic flocculant should be dissolved in water under low agitation to make 0.01% to 0.05 % solution. Dissolution should be complete after 60 minutes, but will be faster in warm water. However avoid temperature above 50^0 C. Stock solutions are stable for at least two to three days.

Treatment Levels:

For use as

Flocculant	O.2 ~ 2.0 ppm.
Coagulant aid	O.5 ~ 1.0 ppm.
Filtration aid	O.01 ~1.0 ppm.
Sludge dewatering	O.05 ~O.2 % Dry solid

Typical Properties:

Chemical Composition	Polyacrylamide
Appearance	White Granule
Ionicity	Nonionic
Bulk Density (gr/ml)	0.65~ 0.7
pH of Solution (25^0C) O.1 %	5.5 ~ 6.5

Handling:

Spilled polymer is very slippery. Spills should be scooped and / or wiped prier to flushing with water. Being highly hygroscopic avoid from exposure to air.

Note: The information presented here is based on best of our present knowledge. However should not be
considered as guarantee of any specific property or product as a hole