

EPICOR™ EPIFLOC 21-NH4 - AMMONIUM FORM POWDERED ION EXCHANGE RESIN / FIBER MIXTURE

This material contains approximately two (2) parts ion exchange resin to one (1) part inert fiber by dry weight. The resin portion shall have a dry weight ratio of approximately five (5) parts anion to four (4) parts cation.

1. POWDERED CATION RESIN COMPONENT

Strongly acidic, sulfonic acid functional group.

60 - 400 mesh, mostly 200 - 400 mesh.

Total capacity - 4.5 meq / gram of dry resin (minimum).

Ammonium form - minimum 95% exchange groups as ammonium ion. Moisture content less than 48%.

Metallic impurities:

- < 50 ppm Fe
- < 10 ppm Cu
- < 50 ppm Al
- < 10 ppm heavy metals (as Pb)

ABOUT

For over 50 years Evoqua's EPICOR™ resins have been considered an essential component of critical water treatment applications in both fossil-fuel and nuclear power plants. EPICOR specialty resins are also widely used in high-purity and ultra-pure water treatment systems.

2. POWDERED ANION RESIN COMPONENT

Strongly basic, Type I, quarternary ammonium functional group.

60 - 400 mesh size, mostly 200 - 400 mesh.

Total capacity - 3.8 meg / gram of dry resin (minimum).

Hydroxide form - minimum 95% exchange groups as hydroxide (OH) ion.

Moisture content 55 - 60%.

Metallic impurities:

- < 50 ppm Fe
- < 10 ppm Cu
- < 50 ppm Al
- < 10 ppm heavy metals (as Pb)

3. EPICOR EPIFLOC 21-NH4 MOISTURE 70 - 75% (APPROXIMATE)

This product is used as precoat media in filter demineralizers for condensate polishing in power plants operating at elevated pH.



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