

EPICOR™ EPIFLOC 101-NH4 AMMONIUM FORM POWDERED ION EXCHANGE RESIN / FIBER MIXTURE

This material contains approximately one (1) part ion exchange resin to one (1) part inert fiber weight. The resin portion shall have a dry weight ratio of approximately one (1) part anion to (1) part cation

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.

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)

2. POWERED ANION RESIN COMPONENT

Strongly basic, Type I, quarternary ammonium functional group.
60 - 400 mesh size, mostly 200 - 400 mesh.
Total capacity - 3.8 meq / gram of dry resin (minimum).
Hydroxide form - minimum 95% exchange groups as hydroxide (H) ion.
Moisture content - 55 - 60%.
Metallic impurities:
 < 50 ppm Fe
 < 10 ppm Cu
 < 50 ppm Al
 < 10 ppm heavy metals (as Pb)

3. EPIFLOC 101-NH4 MOISTURE 70 - 75% (APPROXIMATE)

This product is used as precoat media in filter demineralizers processing water in various power plant systems including condensate polishing, reactor water cleanup, fuel pool cleanup, and radioactive waste treatment