

EPICOR™ EPIFLOC 21-H - HYDROGEN 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 anions to four (4) parts cations.

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 - 4.8 meq / gram of dry resin (minimum).
Hydrogen form - minimum 99% exchange groups as hydrogen (H) ion.
Moisture content less than 55%.
Metallic impurities:
 < 50 ppm Fe
 < 10 ppm Cu
 < 50 ppm Al
 < 10 ppm Heavy Metals (as Pb)

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 meq / 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. EPIFLOC 21-H 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.