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 Xylem'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.

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