EPICOR™ EPIFLOC 51 P-H - hydrogen form powdered ion exchange resin/fiber mixture

This material contains approximately five (5) parts of resin to one (1) part inert, synthetic fiber by dry weight. The resin 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: 4.8 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)

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.

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 51-P-H moisture 50 – 55% (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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