

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)

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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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.