

EPICOR™ PD-23-H - HYDROGEN FORM PREMIXED POWDERED ION EXCHANGE RESINS

This powdered resin premix contains three (3) parts strongly acidic cation resin in the hydrogen form and four (4) parts Type I, strongly basic anion resin in the hydroxide form. This mix is 100% powdered ion exchange resin and provides a small excess of anion exchange capacity.

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 (H) ion.
Moisture content 55 - 60%.
Metallic impurities:
 < 50 ppm Fe
 < 10 ppm Cu
 < 50 ppm Al
 < 10 ppm heavy metals (as Pb)

3. EPICOR PD-23-H RESINS MOISTURE 50 - 60%

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.