EPICOR™ PD-32-NH4 ammonium form premixed powdered ion exchange resins

This powdered resin premix contains approximately three (3) parts strongly acidic cation resin in the ammonium form and one (1) part type I, strongly basic anion resin in the hydroxide form. Therefore, this mix provides an excess of cation exchange capacity. This mix is 100% powdered ion exchange resin.

1. Powdered cation resin component

- Strongly acidic, sulfonic acid functional group.
- 60 - 400 mesh, mostly 200 - 400 mesh.
- Total capacity: 4.5 meq / gram of dry resin (minimum).
- Ammonium form: minimum 95% exchange groups as ammonium ion.
- Moisture content less than 48%.
- 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. EPICOR PD-31-NH4 moisture 48 - 53% (approximate)

- This product is used as precoat media in filter demineralizers processing water in various power plant systems where the high cation exchange capacity has been found to be beneficial.

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.

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