

EPICOR™ PD-11-NH₄ AMMONIUM FORM PREMIXED POWDERED ION EXCHANGE RESIN

This powdered resin premix contains one part strongly acidic cation resin in the ammonium form and one part Type I, strongly basic anion resin in the hydroxide form. This mix is 100% powdered ion exchange resin.

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 to 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-11-NH₄ RESINS MOISTURE 48 - 55% (APPROXIMATE)

This product is used as precoat media in filter demineralizers condensate polishing in power plant operating at elevated pH.