

# 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.

## 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.