

NR-30 MEG MIXED BED RESIN

Description:

NR-30 MEG is a 1:1 chemical equivalent of C-361 MEG (H) and A-464 MEG (OH). C-361 MEG (H) is a 10% cross-linked gel strong acid cation exchange resin. A-464 MEG (OH) is a Type I porous strong base gel anion resin. C-361 MEG (H) and A-464 MEG (OH) are specially processed to provide low TOC leachables. The resins are checked kinetically to produce 18+ megohm resistivity and provide excellent mixed bed separation.

Chemical Properties

Functional Groups	Sulfonic Acid, Trimethylamine
Ionic Form (as shipped)	Hydrogen / Hydroxide mix
Moisture Content	51% max. (H form cation) / 59% max. (Cl form anion)
Exchange Capacity	2.0 meq/ml min. (H form cation) / 1.0 meq/ml min. (OH form anion)
Conversion	
Cation	99% minimum (H form)
Anion	94% minimum (OH form)
Impurities	
TOC (15 bed volumes of rinse)	≤10 ppb maximum
Metal (15 bed volumes of rinse)	Low ppt levels (feed water dependent)
Kinetics	18 megohm (Evoqua Kinetics Test)

Physical Properties

Particle Screen Sizing	
+ 16 Mesh	5.0% maximum
- 50 Mesh	0.5% maximum
Effective Size (Approximate)	0.40 - 0.60 mm
Whole Beads (%)	95 minimum
Shipping Weight	44 lbs/ft ³
Bead Strength (friability)	350 g/bead (minimum) 90% minimum > 200 g/bead

Operating Conditions

Operating pH Range	1 to 14
Service Flow Rate	
Demineralization	1 to 4 gpm/ft ³
Maximum Operating Temperature	140 °F