

NR-6 MIXED BED RESIN

Description:

NR-6 is a 1:1 chemical equivalent of C-211 (H) and A-284 (OH). USF C-211 (H) is an 8% cross-linked gel strong acid cation exchange resin. A-284 (OH) is a Type I strong base gel anion resin.

Chemical Properties

Functional Groups	Sulfonic Acid, Trimethylamine
Ionic Form (as shipped)	Hydrogen / Hydroxide mix
Moisture Content	55% max. (H form cation)/48% max. (Cl form anion)
Exchange Capacity	1.8 meq / m l min. (H form cation) / 1.2 meq / ml min. (OH form anion)
Kinetics	> 15 megohm (Evoqua Kinetics Test)

Physical Properties

Particle Screen Sizing	
+ 16 Mesh	5% maximum
- 50 Mesh	0.5% maximum
Effective Size (Approximate)	0.40 - 0.60 mm
Whole Beads (%)	90 minimum
Shipping Weight	45 lb/ft ³

Operating Conditions

Operating pH Range	1 to 14
Service Flow Rate	1 to 4 gpm/ft ³
Regenerant Flow Rate	0.5 gpm/ft ³
Rinse Flow Rate	0.5 to 2.0 gpm/ft ³
Rinse Volume	50 gallons/ft ³ (approximate)
Maximum Operating Temperature	140° F