SIEMENS

USF A-284LS OH ANION RESIN

Description:

USF A-284LS OH is a Type I strong base gel anion resin consisting of a styrene divinylbenzene matrix supplied in the hydroxide form. This is especially suited for BWR Nuclear Applications as an underlayment to mixed bed polishers. USF A-284LS OH has good bead strength and reduced organic extractables that minimize impurities in downstream equipment.

Chemical Properties

Functional Group	Trimethylamine
Ionic Form (as shipped)	Hydroxide
Moisture Content	43 - 48% (Cl form)
Exchange Capacity	1.2 meq / ml minimum (OH form)
Conversion to Hydroxide Form	94% minimum
Impurities	
Chlorides (Cl)	0.5% maximum
Sulfates (SO_4)	0.5% maximum
Carbonates (CO_3)	5% maximum
Kinetics	> 17 megohm (Siemens Kinetics Test)

Physical Properties

Particle Screen Sizing	
+ 16 Mesh	5% maximum
- 40 Mesh	1% maximum
- 50 Mesh	0.5% maximum
Friability	
Average (gm / bd)	350
% > 200 gm / bd	95
Whole Beads (%)	95 minimum
Shipping Weight	42 lbs. / cu. ft.

Operating Conditions

Operating pH Range	0 to 14
Service Flow Rate	
Demineralization	1-6 GPM/ft^2
Condensate Polishing	1-65 GPM/ft^2 (dependent on operating conditions and performance expectations)
Maximum Operating Temperature	140^oF