



USF A-714 OH ANION RESIN

Description:

USF A-714 OH is a gelular, strong base, Type I, acrylic-based quaternary ammonium anion exchange resin. In the hydroxide form, this resin offers effective removal of all anionic materials, including silica. This resin has high operating capacities coupled with maximum regeneration efficiency. USF A-714 OH is an excellent product to use for water with relatively high organic impurities due to its ability to release accumulated organics during normal regeneration with sodium hydroxide.

Chemical Properties

Ionic Form (as shipped)	OH
Moisture Content	58 - 62% (Cl form)
Exchange Capacity	1.0 meq / ml minimum (OH form)

Physical Properties

Particle Screen Sizing	
+ 16 Mesh	5.0% maximum
- 50 Mesh	3.0% maximum
Effective Size	0.45 - 0.60 mm
Whole Beads (%)	90 minimum
Shipping Weight	42 lbs. / cu. ft.

Operating Conditions

Operating pH Range	1 to 11
Service Flow Rate	2 - 4 gpm / cu. ft.
Regenerant Flow Rate	0.25 - 0.5 gpm / cu. ft.
Rinse Flow Rate	0.25 - 0.5 gpm / cu. ft. initially, then 1.5 gpm / cu. ft.
Rinse Volume	60 - 75 gallons / cu. ft.
Maximum Operating Temperature	140°F (Cl form) / 100°F (OH form)