

USF A-674PSMBSG OH ANION RESIN

Description:

USF A-674PSMBSG OH is a Type I strong base macroporous anion resin consisting of a styrene divinylbenzene matrix supplied in the hydroxide form. The general appearance is an opaque hard spherical bead. This resin is resistant to organic fouling from waters containing dissolved organics and is used in condensate polishing or other applications requiring excellent physical stability.

Chemical Properties

Functional Group	Trimethylamine
Ionic Form (as shipped)	Hydroxide
Moisture Content	54 - 64% (Cl form)
Exchange Capacity	0.9 meq / ml minimum (OH form)
Kinetics	> 17 megohm (Siemens Kinetics Test)

Physical Properties

Particle Screen Sizing	
+16 Mesh	3% maximum
-50 Mesh	0.5% maximum
Whole Beads (%)	95 minimum
Shipping Weight	40 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)
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