

USF EDM MIXED BED RESIN

Description:

USF EDM is a high capacity mixed bed resin containing gelular, polystyrene cation and anion resins. It is supplied in spherical particles virtually perfect in bead appearance. USF EDM is designed for use with EDM machines. This resin combines the properties of high capacity and excellent resistance to bead fracture from attrition or osmotic shock.

Chemical Properties

Ionic Form (as shipped) Cation/Anion Mixture Percent Regeneration	Hydrogen / Hydroxide 1:1 chemically equivalent 95% hydrogen minimum 85% hydroxide minimum 5% chloride equivalent maximum
Operating Capacity Kinetics	0.55 meq / ml (12 kilograins / cu. ft. as CaCO ₃) > 1 megohm

Physical Properties

Metal Impurities (Cation)	
Iron (Fe)	100 ppm maximum
Aluminum (Al)	50 ppm maximum
Lead (Pb)	50 ppm maximum
Copper (Cu)	50 ppm maximum
Particle Screen Sizing	
+ 16 Mesh	5% maximum
- 50 Mesh	1% maximum
Whole Beads (%)	85 minimum
Shipping Weight	45 lbs. / cu. ft.
Packaging	1, 5, or 7 cu. ft. fiber drums

Operating Conditions

Maximum Operating Temperature	140°F
-------------------------------	-------