

Description

PUREION C222 is a strong acid cation exchange resin. PUREION C222 is cross linked polystyrene sulfonated based gel type resin, available in sodium form, specially developed for industrial and domestic softening application.

PUREION C222 is manufactured in bead form with a high exchange capacity for greater attrition resistance and good chemical resistance over a wide range of temperature and pH condition.

PUREION C222 can be used in sodium cycles in water treatment, as well as in other chemical processes.

Characteristics

Appearance	Golden Yellow beads
Matrix	Styrene divinyl benzene copolymer
Functional Group	Sulphonic acid
Ionic form as supplied	Sodium
Total exchange capacity	1.85 meq/ml
Moisture holding capacity	40%
Shipping weight	780 ~ 800 kg/1000 liter, approximately
Particle size range	0.3 to 1.2 mm
Maximum uniformity co-efficient	1.70, Max
Operating pH range	0 to 14
Maximum operating temperature	140 deg C
Resistance to reducing agent	Excellent
Resistance to oxidizing agent	Good, chlorine should be present
Osmotic strength	Excellent
Mechanical strength	Excellent
Solubility	Insoluble in all common solvent

Application

PUREION C222 is used for water softening application, with good exchange capacity and physical stability in residential, commercial and industrial application.

Packing

25 Liter Bag

Storage

The resin must not be allowed to dry. A periodic inspection of resin is very important when in storage. If found dry enough clean demineralized water should be added to keep the resin in moist condition. Resin should be stored in shade having temperature between 20° C to 40° C.