

Tulsimer® A-33 OH

产品详情:

Crack-free Strong Base Anion Exchange Resin Type I- Nuclear Grade

Tulsimer® A-33 OH is a specially developed, premium grade, strongly basic anion exchange resin based on polystyrene matrix containing quaternary ammonium Type I groups with excellent physical and chemical stability for use in the nuclear industry. Tulsimer® A-33 OH is regenerated in hydroxide form ensuring that not more than 3% of exchange sites are in chloride form.

Tulsimer® A-33 OH is primarily used for purification of reactor coolant water and moderator in nuclear power station plants to keep corrosion products to the minimum and thus protecting the heat transfer surfaces from scaling and corrosion.

Tulsimer® A-33 OH has excellent capacity for removal of boric acid. Tulsimer® A-33 OH is manufactured under the most stringent quality controls to ensure minimal metallic impurities resulting in the highest purity of the ionic form supplied.

TYPICAL CHARACTERISTICS: Tulsimer® A-33 OH

Type	Strong base anion exchange resin
Matrix structure	Polystyrene copolymer
Functional group	Quaternary Ammonium Type I
Physical form	Moist Powder form
Ionic form	Hydroxide
Screen size US mesh	16 to 50
Particle size (minm. 95%)	1.2 to 0.3mm
Uniformity coefficient	1.75 max
Backwash settled density	42 to 44 lbs/ft ³ (670 to 710 g/l)
Bead strength	Not less than 250g/bead average by Chatillion Test
Swelling (approx.)	Cl-to OH- 20%
Moisture contents (approx)	70 ± 3 %
Thermal stability	80 °C
pH range	0 to 14
Solubility	Insoluble in all common solvents
Total exchange capacity	1.0 meq/gm(minm.90% of its exchange sites in hydroxide form and a max. of 3% in chloride form)

TESTING:

The sampling and testing of ion exchange resins is done as per standard testing procedures, namely ASTM D-2187 and IS-7330, 1998.

PACKING:

Super sacks	1000 liters	Super sacks	35 cft
MS drums	180 liters	Fiber drums	7 cft
HDPE lined bags	25 liters	HDPE lined bags	1 cft

For Handling, Safety and Storage requirements please refer to the individual Material Safety Data Sheets available at our offices. The data included herein are based on test information obtained by Thermax Limited. These data are believed to be reliable, but do not imply any warranty or performance guarantee. Tolerances for characteristics are as per BIS/ASTM. We recommend that the user should determine the performance of the product by testing on own processing equipment.

如需了解更多产品技术相关问题，可咨询公司技术顾问，欢迎技术交流！