

Canftech® TA207 - Cl-

High capacity gel type I strong base anion exchange resin



IEX Resin
Anion Exchange Resin

Basic Features

Principal Applications	Water demineralization (deionization), acid radical removal
Polymer matrix structure:	Gel polystyrene crosslinked with divinylbenzene (DVB)
Appearance:	White & pale yellow translucent, spherical beads
Functional Group:	Quaternary amine, type I (Trimethylamine)
Ionic form as shipped:	Cl- or OH- when ordered as TA207-OH

Description:

Canftech® TA207 Is a premium grade gel type I strong base anion exchange resin with high crosslinked polystyrene matrix and quaternary amine (Trimethylamine) function group in standard Gaussian size distribution. Its clear gel structure make it has excellent regeneration efficiency (both in co-current and counter-current systems) and rinse performance. Its higher crosslinkage makes TA207 has higher capacity and better physical & chemical stability comparing with TA204. TA207 in chloride form could remove both strong and weak acid radicals such as sulfate, nitrate, arsenate, chromate and silicate to extreme low concentration level. Combining with strong acid cation exchange resin (in hydrogen form), TA207 in hydroxide form can be used in all types of demineralization system including condensate polishing.

Physical and Chemical Properties:

NO.	ITEM	SPEC
1	Total exchange capacity (eq/L)	≥1.35
2	Moisture retention (%)	42-48
3	Particle size range (%)	0.315-1.25 mm≥95
4	Whole uncracked beads after attrition (%)	≥96
5	Shipping weight (g/ml)	0.67-0.73
6	Specific gravity (g/ml)	1.07-1.10
7	Uniformity coefficient	<1.7
8	Effective size (mm)	0.4 - 0.6
9	Reversible swelling: Cl- → OH- (%) <27	

Suggested Operating Conditions:

NO.	ITEM	SPEC
1	Max operating temp	60 °C
2	PH range	0-14
3	Service flow rate	8-40 BV/h
4	Regenerant: 2-10% NaCl	

Packaging:

- 25liter PE woven bags; 20kg PE woven bags
- 1000 kgs super sacks; 1000 liters super sacks

Regulatory Approvals:

