

WEARLLIG25

Industrial Grade high capacity gel type I strong base anion exchange resin
Used for water demineralization, acid radical removal.

WEARLLIG25 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. It's clear gel structure make it has excellent regeneration efficiency (both in co-current and counter-current systems) and rinse performance. Its higher cross-linkage makes WEARLLIG25 has higher capacity and better physical & chemical stability comparing with other Anion Resins.

WEARLLIG25 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), WEARLLIG25 in hydroxide form can be used in all types of demineralization system including condensate polishing.

Basic Features:

Application:	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 ⁻

Physical and Chemical Properties:

NO.	ITEM		SPEC
1	Total exchange capacity (eq/L)	Cl ⁻ form	≥1.35
		OH ⁻ form	≥1.1
2	Moisture retention (%)	Cl ⁻ form	42-48
		OH ⁻ form	53-58
3	Particle size range (%)		0.315-1.25 mm≥95
4	Whole uncracked beads after attrition (%)		≥96
5	Shipping weight (g/ml)	Cl ⁻ form	0.67-0.73
		OH ⁻ form	0.66-0.71
6	Specific gravity (g/ml)	Cl ⁻ form	1.07-1.10
		OH ⁻ form	1.06-1.09
7	Effective size (mm)		0.4 - 0.6
8	Uniformity coefficient		<1.7
9	Reversible swelling, Cl ⁻ → OH ⁻ (%)		<27

Suggested Operating Conditions:

NO.	ITEM	SPEC
1	Max operating temperature	60 °C
2	PH range	0-14
3	Service flow rate	8-40 BV/h
4	Regenerant	2-10% NaCl, 2-6% NaOH