

TRILITE® AW30C

Gaussian Weak Base Anion Exchange Resin, Macroporous

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TRILITE® AW30C is a porous-type WBA exchange resin with a high proportion of weak base groups, making it suitable for use in starch refining and other applications. TRILITE® AW30C has outstanding chemical stability, heat resistance, and mechanical durability, and it can be used for high-temperature operation due to its superior heat resistance. It is supplied in its FB (Free Base) form.

Physical and Chemical Properties

Matrix	Polystyrene+DVB, Porous	Functional Group	Type 1 (Tertiary Amine)
Ionic Form	Free Base	Total Capacity(eq/ℓ)	1.6 ↑
Shipping Density(g/ℓ)	700	Moisture Retention(%)	55~65
Particle Density	1.05	Uniformity Coefficient	1.6 ↓
Particle Size(μm)	300~1,200	Swelling Rate (FB→Cl ⁻ , %)	20
Whole Beads(%)	95 ↑		

Recommended Operating Conditions

Operating Temp(°C)	100 ↓	pH Range	0-7
Bed Depth(mm)	700	Service Flow Rate(m/h)	5~60

Regeneration

Regenerant	NaOH	Concentration(%)	2~8
Level(g/ℓ)	30~150	Flow Rate(m/h)	2~8
Rinse Requirement(BV)	2~8		

Applications

TRILITE® AW30C is used for special purification applications such as starch and syrup refining, as it has a high exchange capacity and resistance to organic contamination

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Samyang's TRILITE Ion exchange resins are produced based on the ISO 9001, ISO 14001 certification.

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