

TRILITE® SAR10MB

Gaussian Strong Base Anion Exchange Resin

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TRILITE® SAR10MB is a Gaussian, SBA, gel-type, type 1 exchange resin with excellent ion removal capacity, allowing for economical production of high-purity water. TRILITE® SAR10MB is a standard cross-linked product with outstanding physical and chemical strength, resulting in a low resin crush rate over long-term use. It is supplied in its Cl⁻ form and can also be supplied in its OH⁻ form.

Physical and Chemical Properties

Matrix	Polystyrene+DVB, Gel	Functional Group	Type1(Trimethylammonium)
Ionic Form	Cl ⁻	Total Capacity(eq/ℓ)	1.30 ↑
Shipping Density(g/ℓ)	685	Moisture Retention(%)	43~48
Particle Density	1.11	Uniformity Coefficient	1.6 ↓
Particle Size(μm)	300~1,200	Swelling Rate(Cl ⁻ →OH ⁻ , %)	24
Whole Beads(%)	95 ↑		

Recommended Operating Conditions

Operating Temp(°C)	60 ↓ (OH형), 80 ↓ (Cl형)	pH Range	0~14
Bed Depth(mm)	1,000	Service Flow Rate(m/h)	5~50

Regeneration

Regenerant	NaOH	Concentration(%)	2~8
Level(g/ℓ)	50~200	Flow Rate(m/h)	4~10
Rinse Requirement(BV)	5~10		

Applications

TRILITE® SAR10MB is used for anion exchange columns or MBP purification during demineralization and precious metal recovery including gold, as well as catalysts, and more.

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