

TRILITE® MA-10OH

Uniform Particle Size Strong Base Anion Exchange Resin

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TRILITE® MA-10OH is a high cross-linked UPS, SBA, gel-type, type1 exchange resin with excellent ion removal capacity, allowing for economical production of high-purity water. TRILITE® MA-10OH has outstanding physical and chemical strength, resulting in a low resin crush rate over long-term use. It is supplied in OH⁻ form and can also be supplied in its Cl⁻ form.

Physical and Chemical Properties

Matrix	Polystyrene+DVB, Gel	Functional Group	Type1(Trimethylammonium)
Ionic Form	OH ⁻	Total Capacity(eq/ℓ)	1.10 ↑
Shipping Density(g/ℓ)	665	Moisture Retention(%)	59~65
Particle Density	1.07	Uniformity Coefficient	1.1 ↓
Particle Size(μm)	590±50	Swelling Rate (Cl ⁻ →OH ⁻ , %)	23
Whole Beads(%)	95 ↑		

Recommended Operating Conditions

Operating Temp(°C)	60 ↓ (OH ⁻), 80 ↓ (Cl ⁻)	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~120

Regeneration

Regenerant	NaOH	Concentration(%)	2~8
Level(g/ℓ)	50~150	Flow Rate(m/h)	2~8
Rinse Requirement(BV)	2~8		

Applications

TRILITE® MA-10OH is used for special refining purposes such as water treatment, metal recovery, and sugar refining. It is particularly used in conjunction with TRILITE® MC-10 for CPP (Condensate Polishing Plant) applications in power plants.

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