

TRILITE® MA-13J

Uniform Particle Size Strong Base Anion Exchange Resin

TRILITE® MA-13J Strong Base Anion Exchange Resin is a Gel Type 1 Uniform Particle Size resin. Because of its excellent ion removal capacity, high purity water can be produced economically. TRILITE® MA-13J is a standard cross-linkage product and it has outstanding mechanical and chemical stability, leading to low crush rate even after long-term use. TRILITE® MA-13J can be supplied by Cl⁻ form.

Physical and Chemical Properties

Matrix	Styrene-DVB, Gel	Functional Group	Type 1 (Trimethylammonium)
Ionic Form	Cl ⁻	Total Capacity(eq/ℓ)	1.35 ↑
Moisture Retention(%)	49~55	Shipping Density(g/ℓ)	720
Particle Density	1.07	Uniformity Coefficient	1.1 ↓
Particle Size(mm)	0.3±0.03	Swelling(Cl ⁻ →OH ⁻ , %)	24

Recommended Operating Conditions

Operating Temp(°C)	80	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~60
Regeneration			
Regenerant	NaOH	Concentration(%)	2~8
Level(g/ℓ)	50~150	Flow Rate(m/h)	2~8
Rinse Requirement(BV)	2~6		

Applications

TRILITE® MA-13J is used widely for various applications including acid retardation, bio-ethanol purification.

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

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