

TRILITE® KA-12

Strong Base Anion Exchange Resin

Rev.1 July 2018

TRILITE® KA-12 is Gel Type 1 Strong Base Anion Exchange Resin. Because of its excellent ion removal capacity, high purity water can be produced economically. TRILITE® KA-12 is a standard crosslinkage product and it has outstanding mechanical and chemical stability, leading to low crush rate even after long-term use. TRILITE® KA-12 can be supplied by Cl⁻ form but OH⁻ form can be available depending on application and user's request.

Physical and Chemical Properties

Physical Form	Beige translucent spherical beads	Matrix	Styrene-DVB, Gel
Functional Group	Type 1 (Quarternary amine)	Ionic Form	Cl ⁻
Total Capacity(eq/ℓ)	1.30 ↑	Moisture Retention(%)	48~55
Shipping Density(g/ℓ)	660~710	Particle Density	1.06~1.10
Uniformity Coefficient	1.6 ↓	Particle Size(mm)	0.3~1.25
Whole Beads(%)	95 ↑		

Recommended Operating Conditions

Operating Temp(°C)	60(Cl ⁻), 40(OH ⁻)	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® KA-12 has better heat resistant and SiO₂ treatment efficiency, thus being widely used for various applications including demineralization, metal recovery, and special refinement like sugar solution.

All information contained in brochure is not absolute rather than relative one, created under the controlled environment by Samyang Corporation. Therefore, Samyang Corporation has no legal responsibility with respect to any and all information provided in brochure.

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

Samyang Corporation, 31 Jong-ro 33-gil, Jongno-gu, Seoul, Korea Tel: (02)740-7732~7, Fax: (02)740-7140



<http://samyangtrilite.com>