

TRILITE® KC-07

Strong Acid Cation Exchange Resin

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TRILITE® KC-07 Strong Acid Cation Exchange Resin is a Gel Type polydispersed resin. Because of its excellent ion removal capacity, high purity water can be produced economically. TRILITE® KC-07 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® KC-07 can be supplied by Na⁺ form but H⁺ form can be available depending on application and user's request.

Physical and Chemical Properties

Physical Form	Goldenrod translucent spherical beads	Matrix	Styrene-DVB, Gel
Functional Group	Sulfonic acid	Ionic Form	Na ⁺
Total Capacity(eq/ℓ)	1.9 ↑	Moisture Retention(%)	45~50
Shipping Density(g/ℓ)	800	Particle Density	1.25
Uniformity Coefficient	1.6 ↓	Particle Size(mm)	0.3~1.2
Whole Beads(%)	90 ↑	Swelling(Na ⁺ →H ⁺ , %)	9

Recommended Operating Conditions

Operating Temp(°C)	120	pH Range	0~14
Bed Depth(mm)	1000	Service Flow Rate(m/h)	5~50
Regeneration			
Regenerant	HCl, H ₂ SO ₄	Concentration(%)	HCl(4~10), H ₂ SO ₄ (1~4)
Level(g/ℓ)	40~150	Flow Rate(m/h)	4~20
Rinse Requirement(BV)	4~10		

Applications

TRILITE® KC-07 is widely used for water treatment like industrial softening and demineralization.

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

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