

**TRILITE® KC-08**

Strong Acid Cation Exchange Resin

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TRILITE® KC-08 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-08 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-08 can be supplied by Na<sup>+</sup> form but H<sup>+</sup> 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 <sup>+</sup>
Total Capacity(eq/ℓ)	2.00 ↑	Moisture Retention(%)	43~50
Shipping Density(g/ℓ)	830	Particle Density	1.29
Uniformity Coefficient	1.6 ↓	Particle Size(mm)	0.3~1.2
Whole Beads(%)	90 ↑	Swelling(Na <sup>+</sup> →H <sup>+</sup> , %)	8

**Recommended Operating Conditions**

Operating Temp(°C)	120	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~60
Regeneration			
Regenerant	NaCl	Concentration(%)	8~12
Level(g/ℓ)	80~250	Flow Rate(m/h)	2~10
Rinse Requirement(BV)	2~6		

**Applications**

TRILITE® KC-08 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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