Product Data Sheet

TRILITE® KC-08H

Strong Acid Cation Exchange Resin

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TRILITE® KC-08H is Strong Acid Cation Exchange Resin. Because of its excellent ion removal capacity, high purity water can be produced economically. TRILITE® KC-08H 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-08H is supplied by H+ form.

Physical and Chemical Properties			
Physical Form	Light brown translucent spherical beads	Matrix	Styrene-DVB, Gel
Functional Group	Sulfonic acid	Ionic Form	H^+
Total Capacity(eq/ℓ)	1.80 ↑	Moisture Retention(%)	45~55
Shipping Density(g/ℓ)	750~850	Particle Density	1.26~1.30
Uniformity Coefficient	1.6 ↓	Particle Size(mm)	0.3~1.2mm
Whole Beads(%)	95 ↑	Swelling(Na^+→H^+, %)	8

Recommended Operating Conditions			
Operating Temp(℃)	120	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~60
Regeneration			
Regenerant	NaCl, HCl	Concentration(%)	NaCl(8~10%), HCl(1~8)
Level(g/ℓ)	80~250(NaCl), 30~150(HCl)	Flow Rate(m/h)	2~10
Rinse Requirement(BV)	2~6		

Applications

TRILITE® KC-08H is widely used for softening, demineralization, and other special processes like lysine, sugar and catalyst reaction.

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

TRILITE 삼양 트리라이트 Ion Exchange Resin

http://samyangtrilite.com