

# TRILITE® KC-08

Gaussian Strong Acid Cation Exchange Resin

Rev 3. Feb 2023

TRILITE® KC-08 is a Gaussian, SAC gel-type exchange resin with excellent ion removal capacity, which allows for the economical production of high-purity water. TRILITE® KC-08 is a standard cross-linked product with outstanding physical and chemical strength, resulting in a low resin crush rate over long-term use. TRILITE® KC-08H is supplied in its Na<sup>+</sup> form and can also be supplied in its H<sup>+</sup> form.

## Physical and Chemical Properties

Matrix	Polystyrene+DVB, Gel	Functional Group	Sulfonic acid
Ionic Form	Na <sup>+</sup>	Total Capacity(eq/ℓ)	2.00 ↑
Shipping Density(g/ℓ)	800	Moisture Retention(%)	43~50
Particle Density	1.25	Uniformity Coefficient	1.6 ↓
Particle Size(μm)	300~1,200	Swelling Rate(Na <sup>+</sup> →H <sup>+</sup> , %)	8~9
Whole Beads(%)	95 ↑		

## Recommended Operating Conditions

Operating Temp(°C)	120 ↓	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~50

## Regeneration

Regenerant	HCl, H <sub>2</sub> SO <sub>4</sub> , NaCl	Concentration(%)	HCl(4~10), H <sub>2</sub> SO <sub>4</sub> (1~4), NaCl(8~12)
Level(g/ℓ)	50~200	Flow Rate(m/h)	4~20
Rinse Requirement(BV)	4~10		

## Applications

TRILITE® KC-08 is used for water treatment applications such as demineralization and water softening.

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>