

TRILITE® SPC320H

Gaussian Strong Acid Cation Exchange Resin, Macroporous

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TRILITE® SPC320H is a SAC, porous-type exchange resin. It has high cross-linking density, high exchange capacity, outstanding mechanical wear resistance, and chemical/physical stability. It is capable of producing high-purity treated water economically and efficiently and can be used as a catalyst.

Physical and Chemical Properties

Matrix	Styrene-DVB, Macroporous	Functional Group	Sulfonic acid
Ionic Form	H ⁺	Total Capacity(eq/ℓ)	4.5 ↑
Shipping Density(g/ℓ)	1.5 ↑	Moisture Retention(%)	780
Particle Density	42~48	Uniformity Coefficient	1.6 ↓
Particle Size (μm)	425~1,200	Swelling Rate(Na ⁺ →H ⁺ , %)	4
Whole Beads(%)	95 ↑		

Recommended Operating Conditions

Operating Temp(°C)	120	pH Range	0~14
Bed Depth(mm)	750	Service Flow Rate(m/h)	8~40

Applications

TRILITE® SPC320H is widely used not only for water treatment, but also various applications including Esterification, Etherification, Alkylation and Condensation.

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