

# TRILITE® SPC160H

Gaussian Strong Acid Cation Exchange Resin, Macroporous

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TRILITE® SPC160H is a SAC, porous-type SAC exchange resin with 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 and for refining purposes

## Physical and Chemical Properties

Matrix	Styrene-DVB, Macroporous	Functional Group	Sulfonic acid
Ionic Form	H <sup>+</sup>	Total Capacity(eq/ℓ)	4.5 ↑
Shipping Density(g/ℓ)	1.5 ↑	Moisture Retention(%)	740
Particle Density	54~60	Uniformity Coefficient	1.6 ↓
Particle Size(μm)	300~1,200	Swelling Rate(Na <sup>+</sup> →H <sup>+</sup> , %)	8
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® SPC160H is widely used for special applications such as catalysis in esterification reactions (TPA), and purification of BDO/THF.

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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



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