

# TRILITE® MC-14MH

Uniform Particle Size Acid Cation Exchange Resin

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TRILITE® MC-14MH is a UPS, gel-type resin. Because of its excellent ion removal capacity, high purity water can be produced economically. TRILITE® MC-14MH is a high cross-linkage product and it has outstanding mechanical and chemical stability, leading to low crush rate even after long-term use. TRILITE® MC-14MH is widely used for a premium application where extremely high exchange capacity is required and it can be supplied in Na<sup>+</sup> form.

## Physical and Chemical Properties

Matrix	Polystyrene+DVB, Gel	Functional Group	Sulfonic acid
Ionic Form	H <sup>+</sup>	Total Capacity(eq/ℓ)	2.40 ↑
Shipping Density(g/ℓ)	815	Moisture Retention(%)	37~43
Particle Density	1.32	Uniformity Coefficient	1.1 ↓
Particle Size(μm)	550±50	Swelling Rate(Na <sup>+</sup> →H <sup>+</sup> , %)	7
Whole Beads(%)	95 ↑		

## Recommended Operating Conditions

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

## Regeneration

Regenerant	HCl / H <sub>2</sub> SO <sub>4</sub>	Concentration(%)	HCl (1~8) / H <sub>2</sub> SO <sub>4</sub> (1~4))
Level(g/ℓ)	50~200	Flow Rate(m/h)	2~10
Rinse Requirement(BV)	2~6		

## Applications

TRILITE® MC-14MH is widely used for premium application where extremely high exchange capacity is required such as Primary circuit in nuclear power plants, etc.

제품명세서에 포함된 제품특성, 운전조건, 주요용도 등 모든 정보는 절대적인 것이 아닌, ㈜삼양사의 통제된 실험결과를 전제로 작성된 상대적인 것입니다. 따라서 ㈜삼양사는 제품명세서에서 제공되는 모든 정보와 관련하여 일체의 법적 책임이 없음을 알려 드립니다.

㈜삼양사 이온교환수지는 ISO 9001, ISO 14001 인증을 기반으로 생산됩니다.

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