

TRILITE® SM200

Ready for mixed bed resin

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TRILITE® SM200 is a ready-to-use and highly regenerated mixed bed resin for high purity water application through the continuous reaction of cation and anion exchange resins.

TRILITE® SM200 is mixed bed resins of each component of strong acid cation exchange resin and strong base anion exchange resin in equivalent of cation and anion exchange capacity.

Physical and Chemical Properties

	SAC	SBA
Matrix	Styrene-DVB, Gel	
Functional group	Sulfonic acid	Type 1(Trimethylammonium)
Ionic form	H ⁺	OH ⁻
Particle Size(μm)	300~1,200	
Uniformity coefficient	1.6 ↓	
Ionic Conversion(%)	H ⁺	99.0 Min
	OH ⁻	90.0 Min
	Cl ⁻	1.0 Max
Mixed Ratio	1:1 (by equivalents) Cation : Anion	
Inlet condition	Potable water, Conductivity 150μs/cm, SV36	
Outlet condition	Guaranteed 10.0 MΩ·cm ↑ (in 10min.) Actual 15.0 MΩ·cm ↑ (in 10min.)	

Recommended Operating Conditions

Operating Temp(°C)	60	pH Range	0~14
Bed Depth(mm)	600	Service Flow Rate(m/h)	5~60

Applications

TRILITE® SM200 is mainly used for wire-cutting applications because it allows for the production of high-purity water without regeneration equipment.

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

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