

TRILITE® SM300

Mixed resin

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TRILITE® SM300 is a ready-to-use and highly regenerated mixed bed resin for high purity water application through the continuous ion exchange of cation and anion exchange resins.

TRILITE® SM300 is a mixed bed resin 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 ⁻	95.0 Min
	Cl ⁻	1.0 Max
Mixed Ratio	1 : 1 (by equivalents) Cation : Anion	
Inlet condition	Post-RO, Conductivity 10μs/cm, SV36	
Outlet condition	Guaranteed 15.0 MΩ·cm ↑ (in 10min.) Actual 17.0 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® SM300 is widely used to get high purity water such applications R/O polisher, humidifier, and other applications requiring demineralized water.

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

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