Technical Data Sheet

TRILITE® SM210

Mixed resin

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TRILITE® SM210 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® SM210 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(㎛)		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		Potable water, Conductivity 150㎲/㎝, SV36	
Outlet condition		Guaranteed 10.0 ㏁·cm ↑ (in 10min.) Actual 15.0 ㏁·cm ↑ (in 10min.)	

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

Applications

TRILITE® SM210 is widely used to get high purity water such applications for R/O polisher, humidifier, and other applications requiring demineralized water.

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

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