Product Data Sheet

TRILITE® SM210

Mixed Bed Resin for Pure Water Application

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TRILITE® SM210 is a ready-to-use and highly regenerated mixed bed resin for high purity water application.
TRILITE® SM210 is mixed bed resins of each component of strong acid cation exchange resin and strong base anion exchange resin. Cation and anion resins are mixed to give a stoichiometric equivalent of cation and anion exchange capacity.
TRILITE® SM210 is particularly suitable for use in the polishing of high purity water for specialty electronics applications, pharmaceutical, power plant and chemical manufacturing industry.

Physical and Chemical Properties		
Physical Form	Translucent spherical beads	
Matrix	Styrene-DVB, Gel	
	SAC	SBA
Functional Group	Sulfonic acid	Type 1 (Trimethylammonium)
Ionic Form	H^+	OH^-
Total Capacity(eq/ℓ)	1.8 ↑	1.0 ↑
Moisture Retention(%)	50~56	62~70
Particle Size(mm)	0.3 ~ 1.2	
Uniformity Coefficient	1.6 ↓	
Whole Beads(%)	95 ↑	

Recommended Operating Conditions			
Operating Temp(℃)	60	pH Range	0~14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~60

Applications

It is mostly and widely used to get high purity water such applications 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.
Samyang Corporation, 31 Jong-ro 33-gil, Jongno-gu, Seoul, Korea Tel: (02)740-7732~7, Fax: (02)740-7140

TRILITE 삼양 트리라이트 Ion Exchange Resin

http://samyangtrilite.com