Product Data Sheet

TRILITE® UPRM200U

Mixed Bed Resin For High Purity Application (Ultra Pure Water)

Rev.1 July 2018

TRILITE® UPRM-200U is a premium grade mixed bed resin. It is specifically designed and manufactured for use in high purity water system. TRILITE® UPRM-200U is a fully regenerated mixed bed of uniform particle size cation and anion exchange resin.

TRILITE® UPRM-200U has good kinetic performance, mechanical and chemical stability since its component resins are uniform particle size resins. Component resins are mixed to give a stoichiometric equivalent of cation and anion exchange capacity. All the above characteristics provide customers with benefits of producing high purity water economically.

Physical and Chemical Properties			
		Strongly Acidic Cation	Strongly Basic Anion
Matrix		Polystyrene + DVB (Divinyl Benzene)	
Ionic Form		H^+	OH^-
Total Capacity(eq/ℓ)		1.9	1.0
Moisture Retention(%)		51±5	63±5
Shipping Density(g/ℓ)		695	
Particle Size(mm)		0.63±0.05	0.59±0.05
Uniformity Coefficient		1.1 ↓	1.1 ↓
Ionic Conversion	H^+	99.0 Min	
	OH^-		95.0 Min
	Cl^-		1.0 Max
Mixed Ratio		1:1 (by equivalents) Cation : Anion	
Operating Temp(℃)		60	

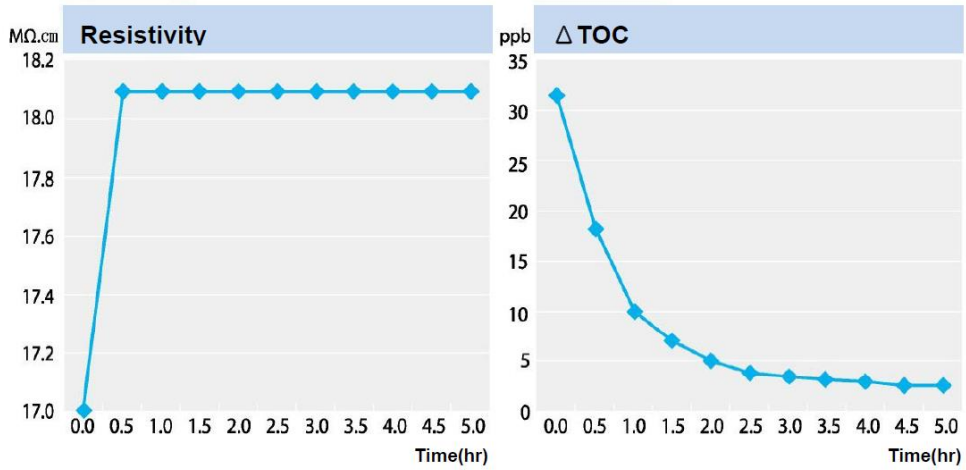
Recommended Operating Conditions			
Operating Temp(℃)	60	pH Range	0~14
Bed Depth(mm)	600	Service Flow Rate(m/h)	5~60

Applications

TRILITE® UPRM200U is used widely for the polishing of high purity water for specialty electronics applications, pharmaceutical, power plant and chemical manufacturing industry.

Resistivity and TOC performance

- Resistivity > 18.1 MΩ·㎝ (in 30min)
- ΔTOC < 5ppb (in 120min)
- Feed Water : Resistivity > 17.5 MΩ·㎝, TOC < 2ppb, SV = 30



Hydraulic Characteristics

Figure 1 shows the pressure drop of TRILITE® UPRM200U as a function of flow rate and water temperature.

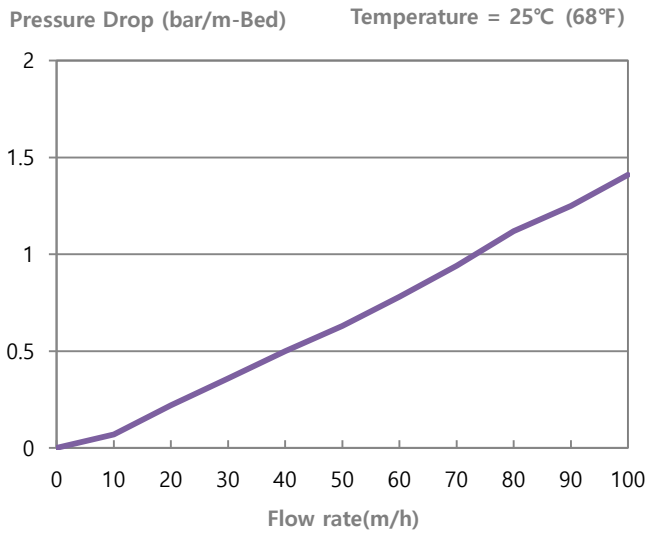


Figure 1. TRILITE® UPRM200U

Packaging

25ℓ PE Bag, 50 ℓ Drum

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: +82-2-740-7732~7, Fax: +82-2-740-7709

TRILITE
삼양 트리라이트
Ion Exchange Resin

http://samyangtrilite.com