

TRILITE[®] UPRM100U

Mixed bed resin for Ultrapure water

Rev.3 Feb 2023

TRILITE[®] UPRM100U is an ion exchange resin for high-purity ultrapure water, which is produced by mixing regenerated uniform cation and anion exchange resins in equivalent of cation and anion exchange capacity.

Physical and Chemical Properties

	SAC	SBA
Matrix	Styrene-DVB, Gel	
Functional group	H ⁺	OH ⁻
Ionic form	1.8	1.0
Particle Size(μm)	0.62±0.05	0.62±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	
Inlet condition	Post-RO, Conductivity 10μs/cm, SV36	
Outlet condition	Guaranteed Resistivity>17.0 MΩ·cm ↑ (in 10min.) Actual Resistivity>18.0 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

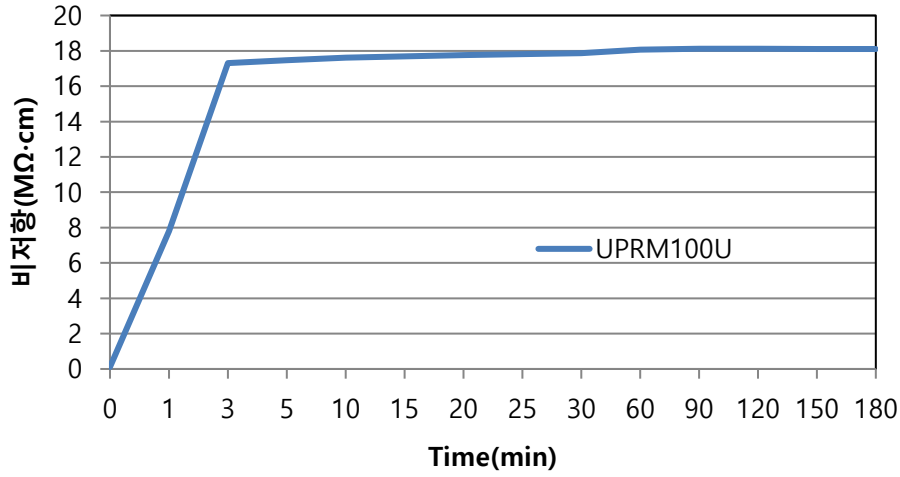
TRILITE[®] UPRM100U is used widely for the polishing of high purity water for specialty electronics applications and chemical manufacturing industry.

Resistivity performance

RO outlet TEST

- Resistivity > 17.0 MΩ·cm (in 10min)
- Feed Water : Conductivity < 10 μs/cm, SV = 36(16.5°C)

RO outlet TEST



Packaging

25ℓ PE Bag, 50 ℓ Drum

All information contained in brochure is not absolute rather than relative one, created under the controlled environment by Samyang Corporation. Therefore, Samyang Corporation has no legal responsibility with respect to any and all information provided in brochure.

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



<http://samyangtrilite.com>