

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

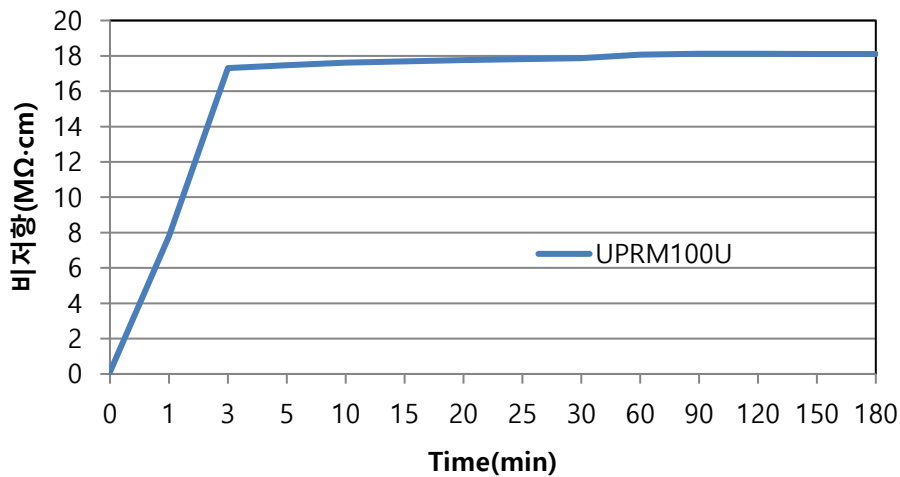
TRILITE® UPRM100U is used widely for the polishing of high purity water for specialty electronics applications and chemical manufacturing industry.

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

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