

# TRILITE® UPRA400U

Uniform Particle Size Strong Base Anion Exchange Resin for Ultrapure water

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TRILITE® UPRA400U is a UPS, SBA, gel, type1 exchange resin designed with excellent ion removal capacity. TRILITE® UPRA400U has a high exchange capacity and exhibits outstanding chemical and physical stability, which minimize metal leakage and reduce TOC. This makes it suitable for long-term use

## Physical and Chemical Properties

Matrix	Polystyrene+DVB, Gel	Functional Group	Type 1 (Trimethylammonium)
Ionic Form	OH <sup>-</sup>	Total Capacity(eq/ℓ)	1.00 ↑
Shipping Density(g/ℓ)	660	Moisture Retention(%)	62~70
Particle Density	1.08	Uniformity Coefficient	1.1 ↓
Particle Size(μm)	620±50	Whole Beads(%)	95 ↑
Ionic Conversion(%)	OH <sup>-</sup> (97.0 ↑), Cl <sup>-</sup> (0.1 ↓)		

## Recommended Operating Conditions

Operating Temp(°C)	60	pH Range	0-14
Bed Depth(mm)	800	Service Flow Rate(m/h)	5~60

## Applications

TRILITE® UPRA400U is used in the final polisher of ultrapure water production systems for semiconductors.

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

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