

Purolite™ UltraClean™ UCW3700

Polystyrenic Gel, Gel, Mixed Bed Resin, Hydrogen form, Hydroxide form, Ultrapure Water Grade

PRINCIPAL APPLICATIONS

- Ultrapure Water

SYSTEMS

- Mixed bed demineralizer

REGULATORY APPROVALS

- IFANCA Halal Certified

TYPICAL PACKAGING

- 1 CF Box
- 50 L Drum (Plastic)
- 5 ft³ Drum (Fiber)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Appearance	Spherical Beads	
TOC (max.)	< 10 ppb Δ TOC after 40 BV of rinse at 30 BV/h (*)	
Resistivity	> 18 MΩ cm after 15 BV rinse at 30 BV/h (*)	
Shipping Weight (approx.)	685 - 725 g/L (42.8 - 45.3 lb/ft³)	
Temperature Limit	60 °C (140.0 °F)	
Component Name	UltraClean Grade Gel Cation	UltraClean Grade Gel Type I Anion
Polymer Structure	Gel polystyrene crosslinked with divinylbenzene	Gel polystyrene crosslinked with divinylbenzene
Functional Group	Sulfonic Acid	Type I Quaternary Ammonium
Ionic Form	H ⁺ form	OH ⁻ form
Cation / Anion Chemical Equivalent Ratio	1	1
Total Capacity (min.)	1.8 eq/L (H ⁺ form)	1 eq/L (OH ⁻ form)
Mean Diameter	610 ± 40 μm	570 ± 50 μm
Conversion (min.)	99.9 % (H ⁺ form)	95 % (OH ⁻ form)
Moisture Retention	49 - 54 % (H ⁺ form)	60 - 70 % (OH ⁻ form)
Uniformity Coefficient	1.2	1.2
Footnote	* Influent rinse water quality : > 17.5 MΩ cm; < 2 ppb TOC	

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

www.puoliteresins.com



We're ready to solve your process challenges.

For further information on products and services, visit www.puoliteresins.com or complete a Contact Us form via PuoliteResins.com/contact-us or use the QR code.

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