

PRODUCT DATA SHEET

Purolite™
UltraClean™
UCW9966

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

PRINCIPAL APPLICATIONS

- Ultrapure Water

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.)	< 1 ppb Δ TOC within 100 BV of rinse at 30 BV/h (*)	
Resistivity	> 18 MΩ cm within 2 BV rinse at 30 BV/h (*)	
Shipping Weight (approx.)	670 - 710 g/L (41.9 - 44.4 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.)	1.9 eq/L (H ⁺ form)	1.0 eq/L (OH ⁻ form)
Conversion (min.)	99.9 % (H ⁺ form)	95 % (OH ⁻ form)
Moisture Retention	49 - 54 % (H ⁺ form)	52 - 58 % (Cl ⁻ form)
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.

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