PRODUCT DATA SHEET

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	

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