

# 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 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 <sup>+</sup> form	OH <sup>-</sup> form
Cation / Anion Chemical Equivalent Ratio	1	1
Total Capacity (min.)	1.9 eq/L (H <sup>+</sup> form)	1 eq/L (OH <sup>-</sup> form)
Mean Diameter	610 ± 40 μm	570 ± 50 μm
Conversion (min.)	99.9 % (H <sup>+</sup> form)	95 % (OH <sup>-</sup> form)
Moisture Retention	49 - 54 % (H <sup>+</sup> form)	60 - 70 % (OH <sup>-</sup> form)
Uniformity Coefficient	1.2	1.2
Footnote	* Influent rinse water quality : > 17.5 MΩ cm; < 2 ppb TOC	



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