

UltraClean™ UCW3600

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

PRINCIPAL APPLICATIONS

- Ultrapure Water

SYSTEMS

- Mixed bed demineralizer

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 of rinse at 30 BV/h	
Shipping Weight (approx.)	685 - 725 g/L (42.8 - 45.3 lb/ft ³)	
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)	1.1 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)	55 - 62 % (OH ⁻ form)
Uniformity Coefficient	1.2	1.2
Footnote	* Influent rinse water quality : > 17.5 MΩ cm; < 2 ppb TOC	



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Americas

Purolite
2201 Renaissance Blvd.
King of Prussia, PA 19406
T +1 800 343 1500
T +1 610 668 9090
F +1 800 260 1065
americas@purolite.com

EMEA

Purolite Ltd.
Unit D
Llantrisant Business Park
Llantrisant, Wales, UK
CF72 8LF
T +44 1443 229334
F +44 1443 227073
emea@purolite.com

FSU

Purolite Ltd.
Office 6-1
36 Lyusinovskaya Str.
Moscow, Russia
115093
T +7 495 363 5056
F +7 495 564 8121
fsu@purolite.com

Asia Pacific

Purolite China Co. Ltd.
Room 707, C Section
Huanglong Century Plaza
No.3 Hangda Road
Hangzhou, Zhejiang, China 310007
T +86 571 876 31382
F +86 571 876 31385
asiapacific@purolite.com

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