

Purolite® NRW3660

Polystyrenic Gel, Gel, Mixed Bed Resin, Hydrogen form, Hydroxide form, Nuclear Grade

PRINCIPAL APPLICATIONS

- Condensate Polishing - BWR
- Demineralization - Spent Fuel Pool

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Appearance	Spherical Beads	
Particle Size Range	425 - 1200 µm	
< 425 µm (max.)	2 %	
Uniformity Coefficient (max.)	1.7	
Impurities Iron (max.)	50 ppm	
Impurities Sodium (max.)	30 ppm	
Impurities Heavy Metals (max.)	40 ppm	
Anionic Form, CO ₃ ²⁻ (max.)	5 %	
Anionic Form, SO ₄ ²⁻ (max.)	0.1 %	
Anionic Form, Cl ⁻ (max.)	0.1 %	
Shipping Weight (approx.)	715 - 750 g/L (44.7 - 46.9 lb/ft³)	
Temperature Limit, Non-Regenerable Bed	100 °C (212.0 °F)	
Temperature Limit, Regenerable Bed	60 °C (140.0 °F)	
Component Name	Gel Strong Acid Cation	Gel Strong Base 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.)	2.5 eq/L (H ⁺ form)	1.1 eq/L (OH ⁻ form)
Conversion (min.)	99.9 % (H ⁺ form)	95 % (OH ⁻ form)
Specific Gravity	1.23	1.08



- | | | | |
|----------------|------------|-----------------|------------|
| Algeria | India | Mexico | Spain |
| Australia | Indonesia | Morocco | Taiwan |
| Bahrain | Israel | New Zealand | Tunisia |
| Brazil | Italy | Poland | Turkey |
| Canada | Japan | Romania | UK |
| China | Jordan | Russia | Ukraine |
| Czech Republic | Kazakhstan | Singapore | USA |
| France | Korea | Slovak Republic | Uzbekistan |
| Germany | Malaysia | South Africa | |



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

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Purolite expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.