

PRODUCT DATA SHEET

Purolite® NRW3240

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

PRINCIPAL APPLICATIONS

- Primary coolant polishing

SYSTEMS

- Clean-up systems

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)
- 25 L Sack - Heat sealed

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Appearance	Spherical Beads	
Particle Size Range	425 - 1200 µm	
Uniformity Coefficient (max.)	1.7	
Impurities Iron (max.)	50 ppm	
Impurities Sodium (max.)	30 ppm	
Impurities Heavy Metals (max.)	40 ppm	
Shipping Weight (approx.)	705 - 740 g/L (44.1 - 46.2 lb/ft ³)	
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.)	1.8 eq/L (H ⁺ form)	1 eq/L (OH ⁻ form)
Conversion (min.)	99.9 % (H ⁺ form)	95 % (OH ⁻ form)
Specific Gravity	1.20	1.07
Anionic Form, CO ₃ ²⁻ (max.)		5 %
Anionic Form, SO ₄ ²⁻ (max.)		0.1 %
Anionic Form, Cl ⁻ (max.)		0.1 %



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



Americas

Purolite Corporation
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

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.

