TECHNISCHES DATENBLATT

Purolite™ CriticalResin™ NRW100

Polystyrol Gel, Stark saurer Kationenaustauscher, Wasserstoff Form, Qualität für Kernkraftanwendungen

EINSATZGEBIETE

- Primären Kühlkreislaufmittel Reinigung
- Dekontamination radioaktiver Abfälle
- Mischbett Kationenkomponente
- Kartionenharz vor den stark basischen Harz

VORTEILE

- höchste Überführung in die Wasserstoff-Form
- minimaler Metallgehalt
- geringes extrahierbares TOC und geringe Waschwassermengen
- effiziente Regeneration
- effiziente Trennung

SYSTEME

- Make up VE-Wasser
- primärer Kühlkreislauf
- radioaktiver Abfall

TYPISCHE VERPACKUNGEN

- 1 CF Karton
- 5 CF Papptrommel

TYPISCHE PHYSIKALISCHE & CHEMISCHE EIGENSCHAFTEN:

Polymerstruktur	Gel Polystyrol quervernetzt mit Divinylbenzol
Aussehen	Spherische Kugeln
Funktionelle Gruppe	Sulfonsäure
Ionische Form	H^+
Totalkapazität (min.)	1.8 eq/L (39.3 Kgr/ft³) (H^+)
Wassergehalt	51 - 55 % (H^+)
Partikelgrößen Bereich	425 - 1200 µm
< 425 µm (max.)	2 %
Uniformitätskoeffizient (max)	1.7
Umsetzung (min)	99.9 % (H^+)
Verunreinigungen Eisen (max.)	50 ppm
Verunreinigungen Natrium (max.)	40 ppm
Verunreinigungen Schwermetalle (max.)	40 ppm
Spezifische Dichte	1.20
Schüttgewicht (ca.)	760 - 800 g/l (47.5 - 50.0 lb/ft³)
Temperaturlimit	120 °C (248.0 °F)

2026 Purolite
All rights reserved.

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

www.puroliteresins.com

We're ready to solve your process challenges.

For further information on products and services, visit www.puroliteresins.com or complete a Contact Us form via PuroliteResins.com/contact-us or use the QR code.

Contact Us Form:

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.

2026 Purolite
All rights reserved.