PRODUCT DATA SHEET

Purolite™ PGW6002E

polistirenic Gel, Rasinina Anionica puternic bazica de tip I, forma clor, Categoria apă potabilă

PRINCIPALELE APLICATII

- indepartarea ionilor de crom hexavalent
- eliminarea uraniului
- eliminarea sulfatului

AVANTAJE

- Capacitate ridicată de operare
- Stabilitate fizică excepională
- o performană cinetică buna

APROBARI DE REGLEMENTARE

- În conformitate cu Regulamentul FDA 21 CFR 173.25 pentru tratarea alimentelor, răini schimbătoare de ioni
- Aprobat de schema consultativă pentru reglementarea apei
- Certificat de WQA conform standardului NSF ANSI 61
- Certificare Kosher
- Certificat Halal IFANCA

AMBALAJE TIPICE

- sac 1 ft³
- 25 L sac
- Butoi (Fibră) de 5 CF
- 1 M³ supersac
- supersac de 42 CF

** PGW6002E are 25% capacitate mai mare de operare decat A 600E/9149*

CARACTERISTICI TIPICE FIZICE SI CHIMICE

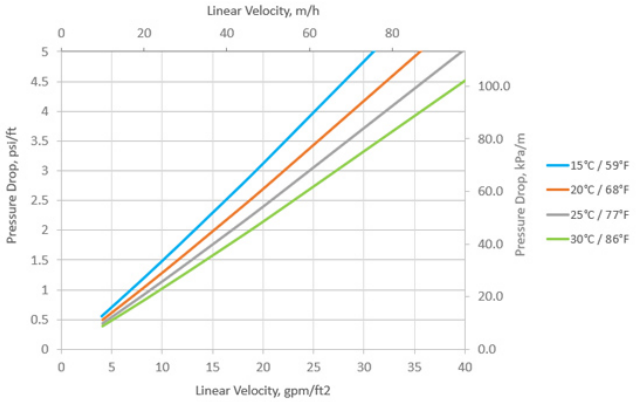
Structura polimerica	Copolimer gel polistirenic reticulat cu divinilbenzen
Aspect	Perle sferice
Grupari functionale	Grupari quaternare de amoniu tip I
Forma ionica	forma Cl^-
Capacitatea totală (min.)	1.65 eq/L (36.1 Kgr/ft³) (forma Cl^-)
reinerea umidităii	40 - 45 % (forma Cl^-)
diametru mediu	570 ± 50 µm
< 425 µm (max.)	1 %
coeficient de uniformitate (max.)	1.2
densitate specifică	1.09
Greutate de transport (aprox.)	675 - 710 g/L (42.2 - 44.4 lb/ft³)
Limita de temperatură	100 °C (212.0 °F) (forma Cl^-)
Limita de temperatură	60 °C (140.0 °F) (forma OH^-)

Caracteristici hidraulice

PRESSURE DROP

The pressure drop across a bed of ion exchange resin depends on the particle size distribution, bed depth, and voids volume of the exchange material, as well as on the flow rate and viscosity of the influent solution. Factors affecting any of these parameters—such as the presence of particulate matter filtered out by the bed, abnormal compressibility of the resin, or the incomplete classification of the bed—will have an adverse effect, and result in an increased head loss. Depending on the quality of the influent water, the application and the design of the plant, service flow rates may vary from 10 to 40 BV/h.

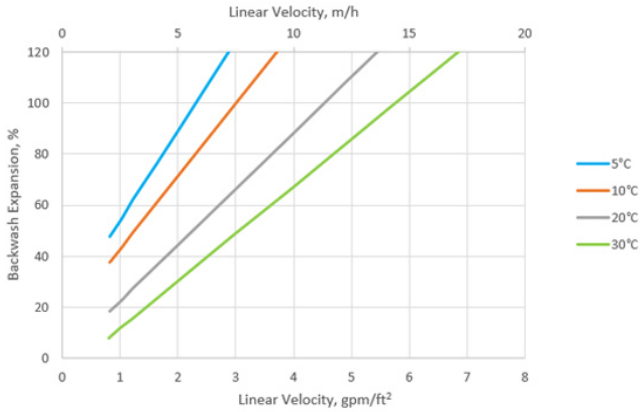
PRESSURE DROP ACROSS RESIN BED



BACKWASH

A 20 BV downflow rinse is required before the vessel is put into service. This rinse can be done onsite or offsite pre-installation. Once the resin is put into service, backwashing is not permitted as this will lead to shortened bed life.This is a uniform grade resin with beads of similar size and will not require backwashing for classification / stratification before use. If it is determined, before startup, that air bubbles or particulate matter are trapped within the bed, then backwashing can be done. In that case, the resin bed should be expanded by 50-70% for 10-15 minutes. Please note that bed expansion increases with higher flow rate and lower water temperature. Avoid loss of resin through the top of the vessel by over expansion of the bed.

BACKWASH EXPANSION OF RESIN BED



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.