PRODUCT DATA SHEET

Purolite™ CriticalResin™ NRW3560XLCLi7

polistirenic macroporos, Gel, Cationit /anionit puternic bazic, Forma Litiu 7: hidroxid, Pat mixt în raport de echivalenti 1:1, Coninut scăzut de clor, Categoria (de rasini tip) nuclear

PRINCIPALELE APLICATII

- Purificarea agentului de răcire principal
- agent de răcire cu coninut ridicat de bor i litiu

AVANTAJE

- stabilitate fizică i chimică excelentă
- eliberare minimă de clor
- Grad ridicat de conversie în forma Litiu7 & forma hidroxid
- Extractibile organice reduse si lavabile
- Capacitate ridicată de operare

** perioada de valabilitate de 12 luni*

SISTEME

- CVCS pat online

AMBALAJE TIPICE

- Cutie de1 CF
- Butoi (Fibră) de 5 CF

CARACTERISTICI TIPICE FIZICE SI CHIMICE

Aspect	Perle sferice	
Distribuia granulometrică	425 - 1200 µm	
< 425 µm (max.)	2 %	
coeficient de uniformitate (max.)	1.7	
Impurităi de fier (max.)	50 ppm	
Impurităi de sodiu (max.)	30 ppm	
Impurităi de metale grele (max.)	40 ppm	
Greutate de transport (aprox.)	720 - 750 g/L (45.0 - 46.9 lb/ft³)	
Limita de temperatură, pat neregenerabil	100 °C (212.0 °F)	
Limita de temperatură, pat regenerabil	60 °C (140.0 °F)	
nume component	Cationit puternic acid de tip macroporos Li7	Anionit Puternic Bazic de tip gel
structura polimerului	polimer polistiren macroporos reticulat cu DVB	Copolimer gel polistirenic reticulat cu divinilbenzen
grupare funcionala	acid sulfonic	Grupari quaternare de amoniu tip I
Formă ionică	forma $^{7}Li^{+}$	forma OH^{-}
raportul echivalent cationit/anionit	1	1
Capacitate totală (min.)	2.1 eq/L (forma $^{7}Li^{+}$)	1.1 eq/L (forma OH^{-})
conversie (min.)	99.9 % (forma $^{7}Li^{+}$)	95 % (forma OH^{-})
formă anionică, CO^{-} (max.)	5 %	
formă anionică, SO_4^{2-} (max.)	0.1 %	

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formă anionică, Cl_3^{2-} (max.)	0.05 %	
densitate specifică	1.24	1.08

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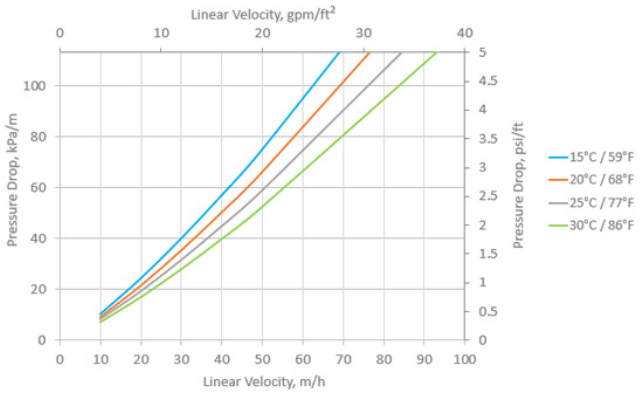
Caracteristici hidraulice

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



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.

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