TECHNISCHES DATENBLATT

Purolite™ Select SRA4000OH

Polystyrol Gel, Stark basisches Anionenaustauscher, Typ I, Hydroxid Form, für Gegenstrom Regeneration, Premium Grade

EINSATZGEBIETE

- Vollentsalzung - hoch reines Wasser

SYSTEME

- Gegenstromanlagen

VORTEILE

- hohe nutzbare Kapazität
- monodisperses Kornspektrum

TYPISCHE VERPACKUNGEN

- 1 CF Karton
- 25 L Sack
- 5 CF Papptrommel
- 42 CF Supersack
- 1 M³ Big bag

TYPISCHE PHYSIKALISCHE & CHEMISCHE EIGENSCHAFTEN:

Polymerstruktur	Gel Polystyrol quervernetzt mit Divinylbenzol
Aussehen	Spherische Kugeln
Funktionelle Gruppe	quartäres Ammonium, Typ I
Ionische Form	OH-
Totalkapazität (min.)	1.0 eq/L (21.8 Kgr/ft³) (OH-)
Wassergehalt	60 - 70 % (OH-)
mittler Korndurchmesser	705 ± 55 µm
Uniformitätskoeffizient (max)	1.2
< 300 µm (max.)	0.3 %
< 850 µm (max.)	90 %
Ganze Kugeln (min.)	95 %
Umsetzung (min)	90 % (OH-)
reversible Volumenänderung, $Cl^- \rightarrow OH^-$ (max.)	30 %
Spezifische Dichte	1.07
Schüttgewicht (ca.)	655 - 690 g/l (40.9 - 43.1 lb/ft³)
Temperaturlimit	100 °C (212.0 °F) (Cl-)
Temperaturlimit	60 °C (140.0 °F) (OH-)

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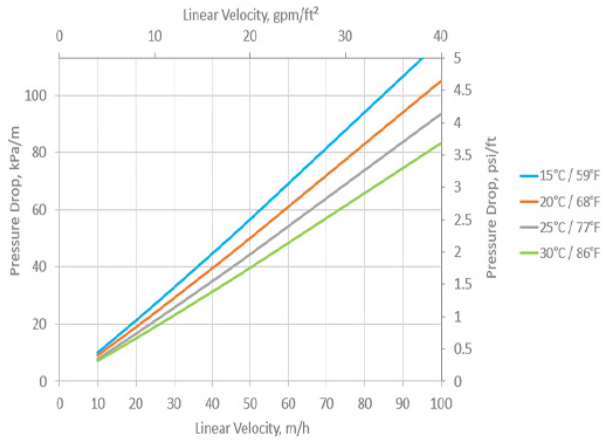
Hydraulische Eigenschaften

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.

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