PRODUCT DATA SHEET

Purolite™ Select SRA4001OH

Polystyrenic Gel, Type I Strong Base Anion Resin, Hydroxide form, Uniform Particle Size, Premium Grade

PRINCIPAL APPLICATIONS

- Demineralization - High Purity Water

ADVANTAGES

- High operating capacity
- Good resistance to organic fouling
- Uniform particle size
- Antistat treated for easier separation from cation component

SYSTEMS

- Makeup Polishing Mixed Bed
- RO Polishing Mixed Bed
- Working Mixed Bed

TYPICAL PACKAGING

- 1 ft³ Sack
- 25 L Sack
- 5 ft³ Drum (Fiber)
- 1 m³ Supersack
- 42 ft³ Supersack

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Gel polystyrene crosslinked with divinylbenzene
Appearance	Spherical Beads
Functional Group	Type I Quaternary Ammonium
Ionic Form	OH^-
Total Capacity (min.)	1.0 eq/L (21.8 Kgr/ft³) (OH^- form)
Moisture Retention	60 - 70 % (OH^- form)
Mean Diameter	625 ± 55 µm
Uniformity Coefficient (max.)	1.2
< 300 µm (max.)	0.3 %
< 850 µm (min.)	95 %
Whole Beads (min.)	98 %
Conversion (min.)	90 % (OH^- form)
Reversible Swelling, $Cl^- \rightarrow OH^-$ (max.)	30 %
Specific Gravity	1.07
Shipping Weight (approx.)	670 - 700 g/L (41.9 - 43.8 lb/ft³)
Temperature Limit	100 °C (212.0 °F) (Cl^- form)
Temperature Limit	60 °C (140.0 °F) (OH^- form)
Recommended Mixed Bed Pairing	Purolite™ Select SRC6500H, SRC6500Na, SRC1001H, SRC1001Na

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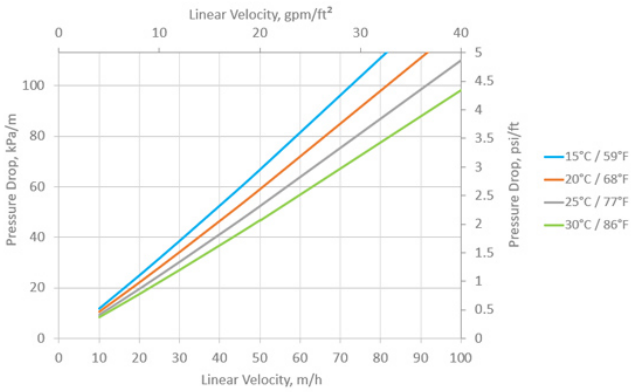
Hydraulic Characteristics

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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