PRODUCT DATA SHEET

Purolite™ Select SRA5500OH

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
- Excellent resistance to osmotic shock
- Uniform particle size
- Antistat treated for easier separation from cation component

SYSTEMS

- Condensate polishing mixed beds
- 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.)	1.1 eq/L (24.0 Kgr/ft³) (OH^- form)
Moisture Retention	54 - 63 % (OH^- form)
Mean Diameter	590 ± 50 µm
Uniformity Coefficient (max.)	1.2
< 300 µm (max.)	0.5 %
< 850 µm (min.)	99 %
Whole Beads (min.)	99 %
Conversion (min.)	90 % (OH^- form)
Average Breaking Weight (min.)	350 g
Breaking Weight <200 g (max.)	5 %
Reversible Swelling, $Cl^- \rightarrow OH^-$ (max.)	24 %
Specific Gravity	1.08
Shipping Weight (approx.)	660 - 700 g/L (41.2 - 43.8 lb/ft³)
Residual Iron (max.)	100 ppm
Residual lead (max.)	50 ppm
Residual Aluminum (max.)	50 ppm
Residual Copper (max.)	50 ppm
Temperature Limit	100 °C (212.0 °F) (Cl^- form)

ECOLAB®
2026 Purolite
All rights reserved.

Temperature Limit	60 °C (140.0 °F) (OH^- form)
Recommended Mixed Bed Pairing	Purolite™ Select SRC6500H, SRC6500Na

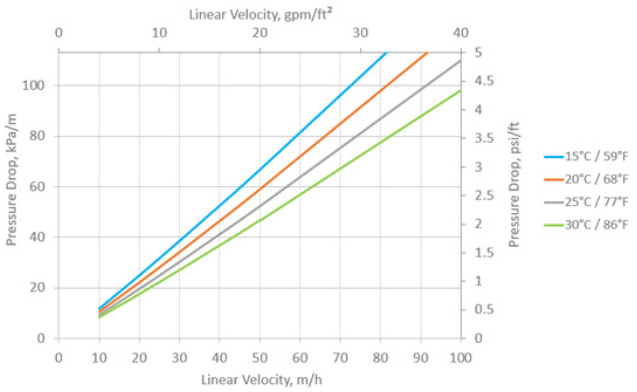
2026 Purolite
All rights reserved.

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.

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.