PRODUCT DATA SHEET

Purolite™ Select SRA4001OH

ポリスチレン系 ゲル, I型強塩基性アニオン交換樹脂ゲル, OH形, 均一粒径, Premium Grade

PRINCIPAL APPLICATIONS

- 脱塩 - 高純度純水

ADVANTAGES

- 高交換容量
- 高い耐有機汚染性
- 均一粒径
- カチオン交換樹脂よりの分離性向上のための絡み防止剤

SYSTEMS

- Makeup Polishing Mixed Bed
- RO Polishing Mixed Bed
- 混床樹脂塔

TYPICAL PACKAGING

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

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	ジビニルベンゼンにより架橋されたポリスチレンゲル
Appearance	球形ビード
Functional Group	I型 4 級アンモニウム
Ionic Form	OH^-
総交換容量 (最小)	1.0 eq/l (21.8 Kgr/ft³) (OH^- 形)
水分含有率	60 - 70 % (OH^- 形)
平均径	625 ± 55 µm
均一係数 (最大)	1.2
< 300 µm (max.)	0.3 %
< 850 µm (min.)	95 %
球形ビード (最小)	98 %
変換率 (最小)	90 % (OH^- 形)
可逆的膨張, $Cl^- \rightarrow OH^-$ (最大)	30 %
比重	1.07
見かけ密度 (概算)	670 - 700 g/L (41.9 - 43.8 lb/ft³)
温度制限	100 °C (212.0 °F) (Cl^-)
温度制限	60 °C (140.0 °F) (OH^- 形)
Recommended Mixed Bed Pairing	Purolite™ Select SRC6500H, SRC6500Na, SRC1001H, SRC1001Na

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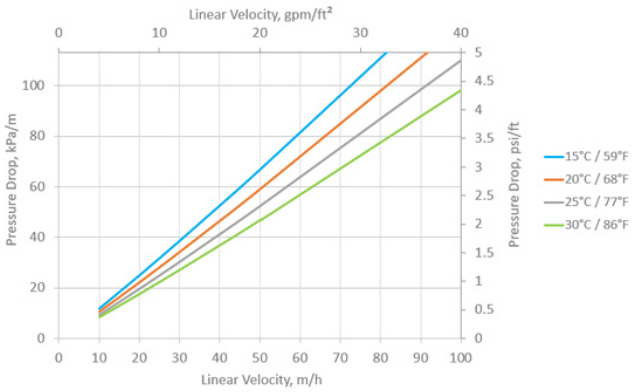
油圧特性

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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