

Purolite™ Purofine™ PFA694E

ポリスチレン系 ゲル, 飲料水用グレード

PRINCIPAL APPLICATIONS

- パーフロロアルキル化物質の除去
- ポリフロロアルキル化物質の除去

ADVANTAGES

- 非常に高い運転交換容量
- 非常に高い反応速度
- PFASを検出限界以下から1 - 5ppt濃度まで低減する

SYSTEMS

- 公共の

REGULATORY APPROVALS

- WQAによるNSF/ANSI-61 Standard証明書
- コーシャ認定
- IFANCA Halal認定

TYPICAL PACKAGING

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

* PFASを検出限界以下から1 - 5ppt濃度まで低減する

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

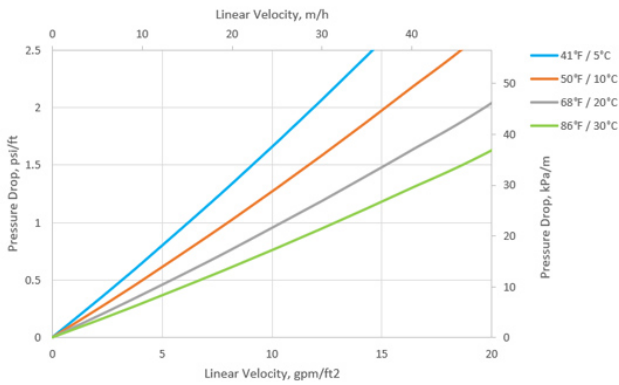
Polymer Structure	ジビニルベンゼン架橋ポリスチレン
Appearance	球形ビード
Functional Group	複合アミン基
平均径	675 µm
平均径	700 µm
均一係数 (最大)	1.3
比重	1.05
見かけ密度 (概算)	650 - 700 g/L (40.6 - 43.8 lb/ft³)
温度制限	100 °C (212.0 °F) (Cl⁻)
温度制限	60 °C (140.0 °F) (OH⁻ 形)

油压特性

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.

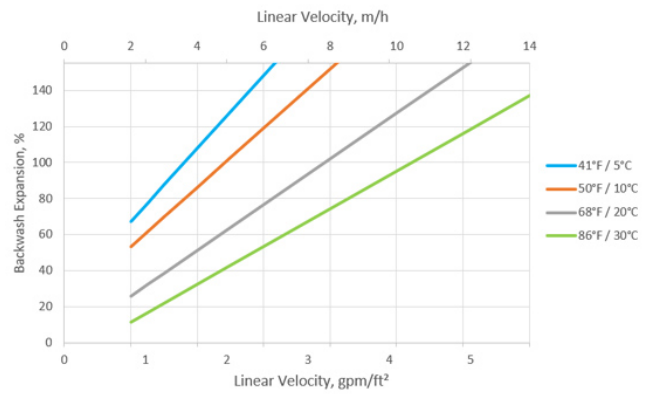
PRESSURE DROP ACROSS RESIN BED



BACKWASH

A 20 BV downflow rinse is required before the vessel is put into service. This rinse can be done onsite or offsite pre-installation. Once the resin is put into service, backwashing is not permitted as this will lead to shortened bed life. This is a uniform grade resin with beads of similar size and will not require backwashing for classification / stratification before use. If it is determined, before startup, that air bubbles or particulate matter are trapped within the bed, then backwashing can be done. In that case, the resin bed should be expanded by 50-70% for 10-15 minutes. Please note that bed expansion increases with higher flow rate and lower water temperature. Avoid loss of resin through the top of the vessel by over expansion of the bed.

BACKWASH EXPANSION OF 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.

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For further information on products and services, visit www.puoliteresins.com or complete a Contact Us form via PuoliteResins.com/contact-us or use the QR code.

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