

Purolite™ CriticalResin™ NRW5010XLC

ポリスチレン系 マクロポラス, I型
強塩基性アニオン交換樹脂ゲル, OH
形, 高いポア構造、特に低い塩素, 原
子カグレード

PRINCIPAL APPLICATIONS

- アニオン交換樹脂オーバーレイ
- 一次系冷却材ポリッシャー
- 高ホウ素濃度・リチウム濃度の冷却水

ADVANTAGES

- 最小の塩素放出
- 非常に小さい粒径のコロイド除去

* 12か月の保管安定性

SYSTEMS

- CVCS樹脂層

TYPICAL PACKAGING

- 1 CF Box
- 5 ft³ Drum (Fiber)

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

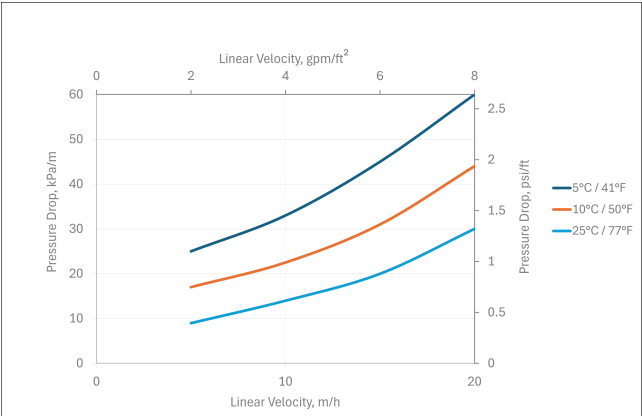
Polymer Structure	ポリスチレン系ジビニルベンゼン架橋マクロポラス型ポリマー
Appearance	球形ビード
Functional Group	I型 4 級アンモニウム
Ionic Form	OH ⁻ 形
総交換容量 (最小)	0.4 eq/l (8.7 Kgr/ft³) (OH ⁻ 形)
水分含有率	67 - 75 % (Cl ⁻)
粒径範囲	425 - 1200 µm
< 425 µm (max.)	2 %
均一係数 (最大)	1.8
変換率 (最小)	95 % (OH ⁻ 形)
CO ₃ ²⁻ 形 (最大)	5 %
SO ₄ ²⁻ 形 (最大)	0.3 %
Cl ⁻ 形 (最大)	0.05 %
不純物 鉄 (最大)	50 ppm
不純物 ナトリウム (最大)	20 ppm
不純物 重金属 (最大)	30 ppm
見かけ密度 (概算)	590 - 630 g/L (36.9 - 39.4 lb/ft³)
温度制限, 非再生樹脂塔	100 °C (212.0 °F) (OH ⁻ 形)
温度制限, 再生樹脂塔	60 °C (140.0 °F) (OH ⁻ 形)
空間速度	It is recommended not to exceed a linear flow of 20 m/h due to the special characteristics of the product.

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



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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We're ready to solve your process challenges.

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