

# Purolite™ C104ECPlus

聚丙烯酸 多孔, 弱酸阳离子树脂, 氢型, 饮用水级别, 糖级别

## 主要应用

- 脱碱
- 去离子
- 软化
- 脱盐 - 糖液

## 产品优势

- 高工作交换容量

## 认证

- 犹太认证
- 美国水质协会NSF ANSI61认证

## 包装样式

- 1 CF 编织袋
- 25L 阀口袋
- 5 CF 纤维板桶
- 1M3 立方袋
- 42 ft³ 立方袋

## 典型物理和化学参数

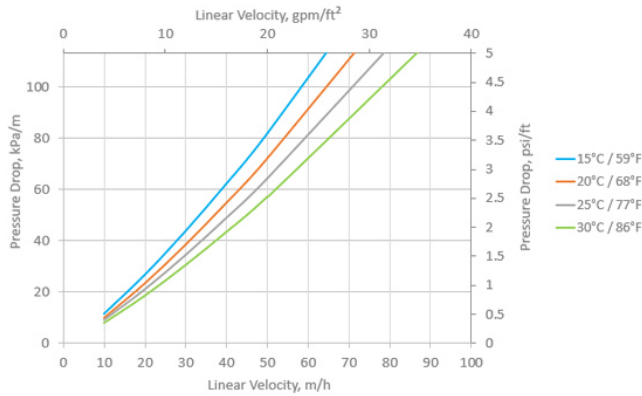
聚合物骨架	多孔型交联聚丙烯酸
外观	球状颗粒
官能团	羧酸
离子型态	H+ 型
全交换容量 (最小)	4.7 eq/L (102.7 Kgr/ft³) (H+ 型)
含水量	45 - 55 % (H+ 型)
粒径分布	425 - 1600 µm
< 425 µm (最大)	2 %
转型膨胀率, H <sup>+</sup> → Ca <sup>2+</sup> (最大)	20 %
转型膨胀率, H <sup>+</sup> → Ca <sup>2+</sup> (运行)	7% (大约)
转型膨胀率, H <sup>+</sup> → Na <sup>+</sup> (最大)	60 %
比重	1.19
包装密度 (大约)	740 - 780 g/L (46.2 - 48.8 lb/ft³)
温度限制	120 °C (248.0 °F)

# 水力学特性

## 压降

离子交换树脂的压降取决于粒度分布、床层高度、树脂颗粒间空隙体积，以及物料的流速和粘度。任何对这些参数的影响-比如被树脂床层截住的颗粒物、对树脂床层的异常压缩、床层的不规则分布-都会对压降产生不利影响，造成压头损失。针对不同的物料质量、应用环境和系统设计，流速可能处于10 – 40 BV/h范围内变化。

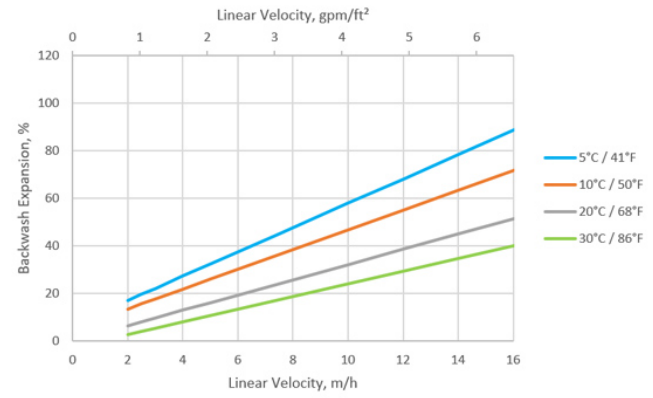
## 床层压降



## 反洗

在自下而上反洗过程中，应控制反洗膨胀率在50%到70%之间，至少保持10到15分钟。该操作除去（运行过程中截留的物料中的）颗粒物，清除气泡，并重新规整树脂颗粒，确保最小的流动阻力。第一次投入前，大约30分钟的充分反洗，通常就足以对树脂床层进行适当的规整。值得注意的是，相同流速下反洗膨胀率随温度降低而升高。必须注意，应避免将树脂床层反洗膨胀过甚而导致树脂从顶部流失。

## 树脂床反洗膨胀率



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