PRODUCT DATA SHEET

# Purolite™ C150H

**聚苯乙烯 大孔, 强酸阳离子树脂, 氢型**

## 主要应用

- 脱盐 - 工业

## 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 | 大孔型聚苯乙烯二乙烯苯交联 |
| 外观 | 球状颗粒 |
| 官能团 | 磺酸 |
| 离子型态 | H+ 型 |
| 全交换容量（最小） | 1.8 eq/L (39.3 Kgr/ft³) ($Na^+$ 型) |
| 含水量 | 54 - 59 % (H+ 型) |
| 粒径分布 | 300 - 1200 µm |
| < 300 µm (最大) | 1 % |
| 均一系数（最大） | 1.7 |
| 转型膨胀率，$Na^+ \rightarrow H^+$（最大） | 7 % |
| 比重 | 1.18 |
| 包装密度（大约） | 740 - 775 g/L (46.2 - 48.4 lb/ft³) |
| 温度限制 | 120 °C (248.0 °F) (H+ 型) |
| 温度限制 | 140 °C (284.0 °F) ($Na^+$ 型) |

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# 水力学特性

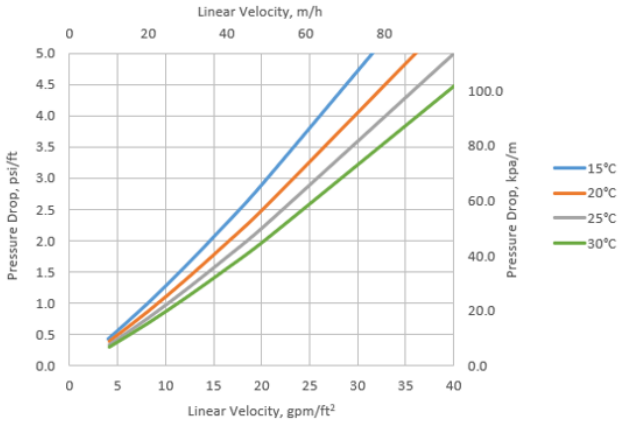
## 压降

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。

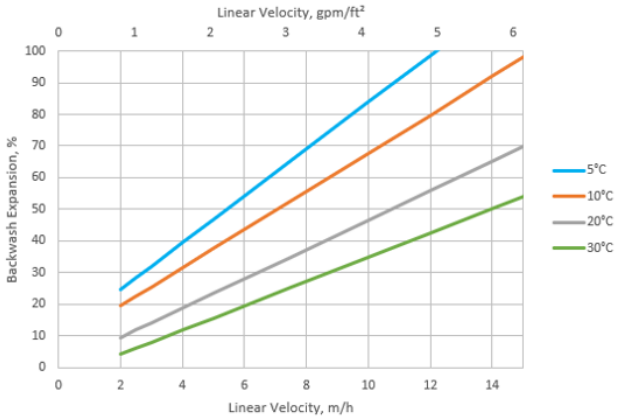
## 反洗

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。

## 床层压降




## 树脂床反洗膨胀率

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