

Purolite™ A103SPlus

聚苯乙烯 大孔, 弱碱阴离子树脂, 游离胺型, 甜味剂级

主要应用

- 脱盐 - 糖液
- 脱色 - 糖液

产品优势

- 高工作交换容量
- 再生过程中优异的有机物洗脱效率
- 优良的抗渗透冲击能力
- 抵抗机械破损
- 良好的淋洗特性

认证

- 犹太认证
- 遵循FDA Regulation 21 CFR 173.25对于食品处理, 离子交换树脂之规定
- LPPOM MUI清真认证

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
- 槽罐 (仅限北美)

典型物理和化学参数

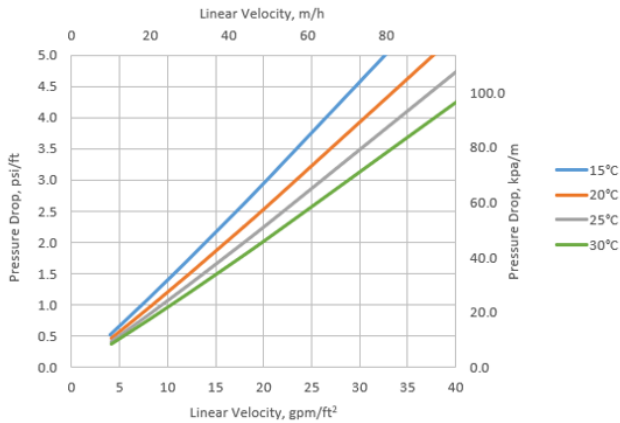
聚合物骨架	大孔型聚苯乙烯二乙烯苯交联
外观	球状颗粒
官能团	叔胺
离子型态	FB 型
全交换容量 (最小)	1.5 eq/L (32.8 Kgr/ft³) (FB 型)
强碱基含量	12 - 20 %
含水量	51 - 58 % (Cl⁻型)
粒径分布	425 - 1200 μm
< 425 μm (最大)	2 %
均一系数 (最大)	1.6
转型膨胀率, FB → Cl⁻ (最大)	25 %
比重	1.04
包装密度 (大约)	645 - 675 g/L (40.3 - 42.2 lb/ft³)
温度限制	100 °C (212.0 °F) (Cl⁻型)
温度限制	60 °C (140.0 °F) (FB 型)

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。

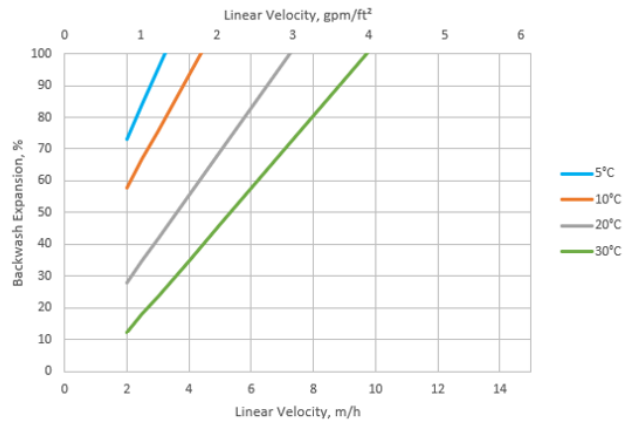
床层压降



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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