PRODUCT DATA SHEET

Purolite™ Macronet™ MN102

Hyper-crosslinked Polystyrenic 大孔, 吸附树脂, 弱碱性功能基, 游离胺型

主要应用

- 吸附
- 疏水性有机物分离
- 脱色 - 甜味剂
- 脱色- 啤酒液
- 脱色 - 糖液
- 棒曲霉素去除

产品优势

- 高机械强度
- 比标准吸附剂更高比表面积
- 双重离子交换/亲水相互作用

认证

- IFANCA Halal认证
- OK犹太认证
- 遵循Europe Resolution ResAP 2004 3 之规定
- 不含GMO/TSE/BSE

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	叔胺
离子型态	FB 型
全交换容量	0.1 - 0.3 eq/L (FB 型)
含水量	50 - 60 % (FB 型)
粒径分布	300 - 1200 µm
转型膨胀率， FB → Cl^-（最大）	5 %
氮气吸附的典型孔径（中孔/大孔/过渡孔）	350 Å
氮气吸附的典型孔径（微孔）	15 Å
氮气吸附的典型孔容	0.4 mL/g
氮气吸附的典型比表面积	800 m²/g
比重	1.07
包装密度（大约）	610 - 640 g/L (38.1 - 40.0 lb/ft³)
pH限制 稳定性	0 - 14
温度限制	60 °C (140.0 °F) (FB 型)

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水力学特性

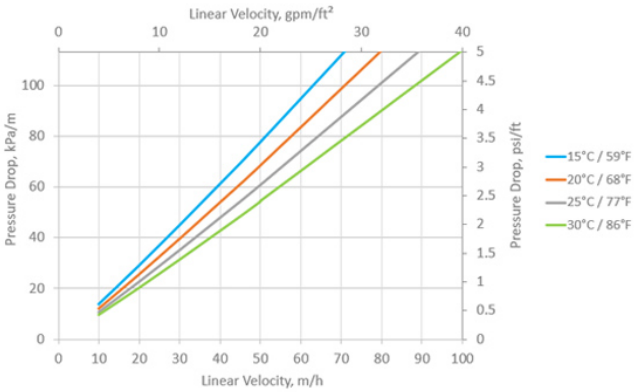
压降

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。

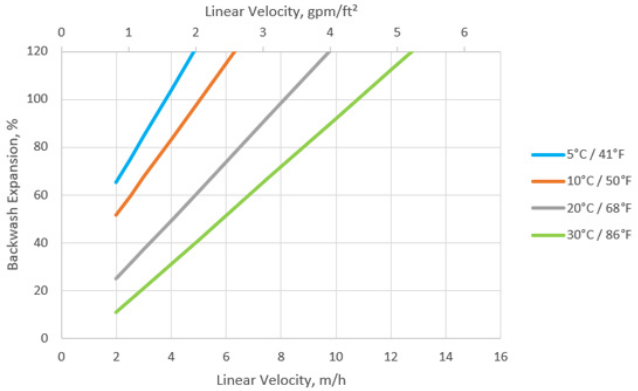
反洗

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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