

# Purolite™ Puromet™ MTS9570

聚苯乙烯, 磷酸与磺酸螯合树脂

## 主要应用

- 除铈
- 铋去除
- 除铁

## 产品优势

- 高选择性

## 适用系统

- 各种液体和废水

## 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

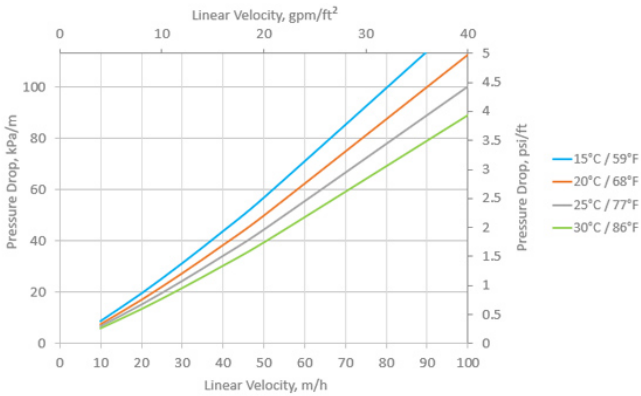
聚合物骨架	大孔型聚苯乙烯二乙烯苯交联
外观	球状颗粒
官能团	膦酸和磺酸
离子形态	H+ 型
铁交换容量 ( 最小 )	18 g/L
含水量	55 - 70 % (H+ 型)
粒径分布	315 - 850 μm
< 315 μm (最大)	1 %
均一系数 ( 最大 )	1.4
Reversible Swelling, H <sup>+</sup> → Fe <sup>3+</sup> (max.)	-5 %
比重	1.12
包装密度 ( 大约 )	710 - 760 g/L (44.4 - 47.5 lb/ft³)

# 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。

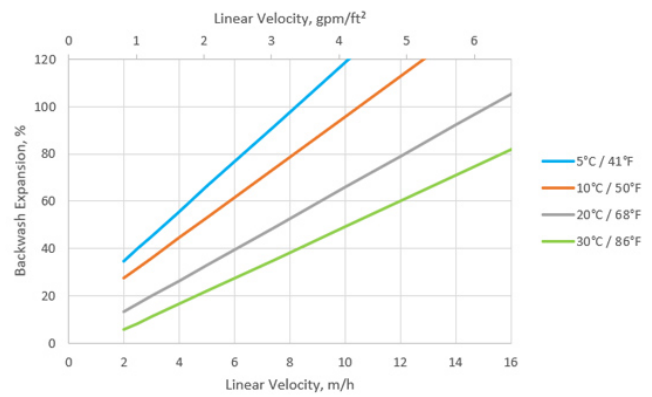
## 床层压降



## 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



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.

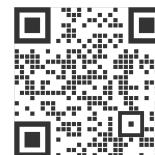
[www.puroliteresins.com](http://www.puroliteresins.com)



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