AMBERLITE® IRC76C RF

工业级弱酸性阳离子交换树脂

产品性能表

AMBERLITE IRC76C RF是含有羧酸基团的高交换容量的大孔弱酸阳离子交换树脂。它具有非常优异的物理和化学稳定性。AMBERLITE IRC76C RF最基本的应用是工业水处理脱碱。也可以与强酸阳树脂配合使用，这样可以大大降低除盐过程的再生酸耗。

AMBERLITE IRC76C RF还可以应用于钠型软化应用。RF级的均匀颗粒可以最大限度减少压差，因此该树脂也可以使用于浮动床和满室床中，具有非常好的运行性能。

性　能

基体	大孔聚丙烯酸聚合物
功能基	-COO-
外观	不透明浅黄色球形颗粒
体积全交换容量	≥ 4.2 eq/L (H+型)
含水量	45～55 % (H+型)
湿真密度	1.15～1.20 g/ml (H+型)
堆积密度	790 g/L (H+型)
调和粒径	0.600～0.800 mm
均一系数	≤1.5
细颗粒	<0.300mm：≤0.2%
细颗粒	>1.180mm：≤2.0%
最大转型膨胀度	H+ → Na+: 约65 %
	H+ → Ca+＋: 约12 %

建议运行条件

运行温度	最大可至120 °C	
最小床深	700mm	
运行流速	5～70BV*/h	
再生剂	HCl	H_2SO_4
再生流速	2～8 BV/h	15～40 BV/h
再生浓度	2～5 %	0.5～0.7 %
再生水平	离子负荷的104~110%	
最小接触时间	30分钟	
慢洗	2 BV（再生流速）	
快洗	2～4 BV（运行流速）	

**1 BV (床体积) = 1 m^3 溶液每 m^3 树脂*

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运行性能

工作交换容量

AMBERLITE IRC76CRF的运行工作交换容量与进水温度，运行流速及分析方法各种因素有关。运行流速越高工作交换容量越低。最佳的运行流速为10~40BV/h。

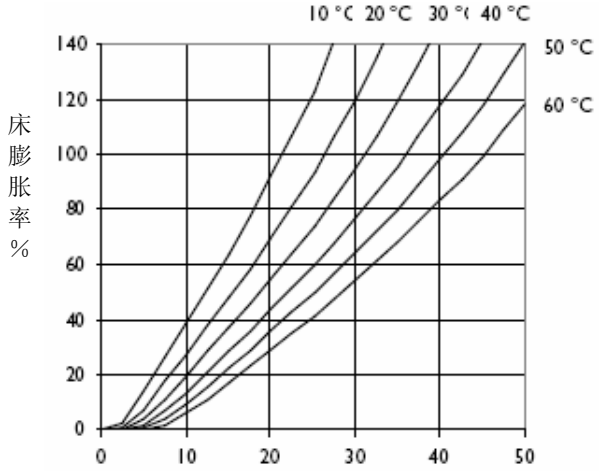
注意事项

AMBERLITE IRC76CRF适用于工业使用。其它的一些特殊使用行业如医药，食品或饮用水应用，建议向罗门哈斯公司专业技术人员咨询，以选择最佳的产品，达到最好的运行效果。

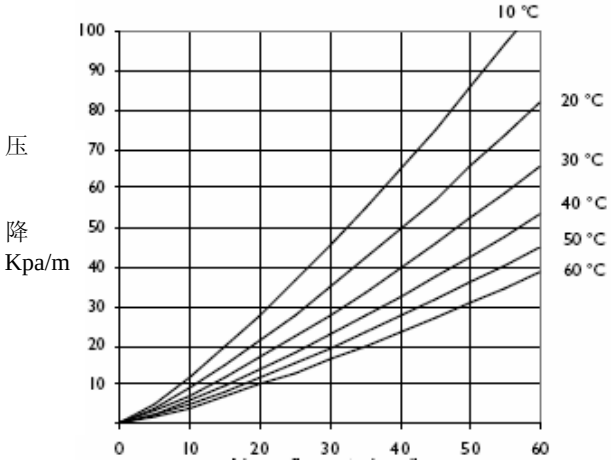
水力学性能

图一所示为AMBERLITE IRC76CRF在不同温度和不同反洗流速下的膨胀度。图二所示的是该产品在不同流速和不同温度下的压降曲线。压降数据仅对清水和合适的同类床型的运行起始阶段有效.

图一：床体膨胀曲线



图二：压降曲线



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