

# Purolite® NRW5010

Poliestirênico Macroporoso, Resina Aniônica Fortemente Básica Tipo I, Forma de Hidróxido, alta Porosidade, Grau Nuclear

## APLICAÇÕES PRINCIPAIS

- Aniônica, camada inferior
- Remoção de coloides muito pequenos
- Polimento da refrigeração primária
- Descontaminação do Efluente Radioativo

## VANTAGENS

- Altamente convertido para forma hidroxila
- Residuais mínimos de sulfatos e cloretos
- Mínimo de metais residuais

## SISTEMAS

- Refrigeração Primária
- Resíduo Radioativo

## EMBALAGEM TÍPICA

- Caixa de 1 pé<sup>3</sup>
- Tambor (Fibra) de 5 pé<sup>3</sup>

## CARACTERÍSTICAS FÍSICO-QUÍMICAS TÍPICAS:

Estrutura Polimérica	Reticulado de poliestireno macroporoso com divinilbenzeno
Aparência	Esferas
Grupo Funcional	Quaternário de Amônio tipo I
Forma Iônica	OH <sup>-</sup> forma
Capacidade Total (min.)	0.4 eq/L (8.7 Kg/ft <sup>3</sup> ) (OH <sup>-</sup> forma)
Retenção de Umidade	70 - 75 % (Cl <sup>-</sup> forma)
Faixa de Tamanho de esferas	425 - 1200 µm
< 425 µm (max.)	2 %
Coefficiente Uniformidade (max.)	1.8
Conversão (min.)	95 % (OH <sup>-</sup> forma)
Impurezas de Ferro (max.)	50 ppm
Impurezas de Sódio (max.)	20 ppm
Impurezas de Metais Pesados (max.)	30 ppm
Forma Aniônica, CO <sub>3</sub> <sup>2-</sup> (max.)	5 %
Forma Aniônica, SO <sub>4</sub> <sup>2-</sup> (max.)	0.3 %
Forma Aniônica, Cl <sup>-</sup> (max.)	0.1 %
Peso de Embarque (aprox.)	590 - 630 g/L (36.9 - 39.4 lb/ft <sup>3</sup> )
Limite de Temperatura, Leito Não Regenerável	100 °C (212.0 °F) (OH <sup>-</sup> forma)
Limite de Temperatura, Leito Regenerável	60 °C (140.0 °F) (OH <sup>-</sup> forma)



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