

Purolite™ CriticalResin™ NRW400

Poliestireno Gel, Resina Aniónica
Fuertemente Básica Tipo I, Forma
hidróxido, Grado nuclear

PRINCIPALES APLICACIONES

- Purificación de purga del generador de vapor
- Remoción del boro del refrigerante primaria CVCS
- Descontaminación de residuos radioactivos
- Componente aniónico de lecho mixto

VENTAJAS

- Altamente convertido para la forma hidroxila
- Residual Mínimo Sulfatos y cloruros
- Residual mínimo de Metales
- Bajo en orgánicos extractables y lavables
- Regeneración eficiente

SISTEMAS

- Agua desmineralizada para reposición
- Refrigeración primaria
- Residuos radiactivos

ENVASE TÍPICO

- Caja de 1 pie³
- Tambor (fibra) de 5 pie³

CARACTERÍSTICAS FÍSICAS Y QUÍMICAS:

Estructura del polímero	Gel reticulado poliestireno con divinilbenceno
Aspecto	Esferas
Grupo funcional	Amonio cuaternario de tipo I
Forma iónica	OH- forma
Capacidad total (min.)	1 EQ/L (21.8 Kgr/pie ³) (OH- forma)
Retención de la humedad	48 - 54 % (Cl ⁻ forma)
Rango de tamaño de esferas	425 - 1200 µm
< 425 µm (max.)	2 %
Coeficiente de uniformidad (max.)	1.7
Conversión (min.)	95 % (OH- forma)
Impurezas de Hierro (máximo)	50 ppm
Impurezas de sodio (máximo)	20 ppm
Metales pesados como impurezas (máximo)	30 ppm
Forma aniónica, CO ₃ ²⁻ (máx.)	5 %
Forma aniónica, SO ₄ ²⁻ (máx.)	0.1 %
Forma aniónica, Cl ⁻ (max.)	0.1 %
Densidad específica	1.07
Peso de envío (aprox.)	655 - 690 g/L (40.9 - 43.1 lb/pie ³)

Límite de temperatura, lecho no Regenerable	100 °C (212.0 °F) (OH- forma)
Límite de temperatura, lecho Regenerable	60 °C (140.0 °F) (OH- forma)

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