

Purolite™ CriticalResin™ NRW5050

Poliestireno Macroporoso, Resina
Aniónica Fuertemente Básica Tipo I,
Forma hidróxido, Tamaño de esferas
uniformes, Grado nuclear

PRINCIPALES APLICACIONES

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

ENVASE TÍPICO

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

VENTAJAS

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

CARACTERÍSTICAS FÍSICAS Y QUÍMICAS:

Estructura del polímero	Poliestireno macroporoso Reticulado con divinilbenceno
Aspecto	Esferas
Grupo funcional	Amonio cuaternario de tipo I
Forma iónica	OH- forma
Capacidad total (min.)	0.9 EQ/L (19.7 Kgr/pie ³) (OH- forma)
Retención de la humedad	53 - 58 % (Cl ⁻ forma)
Diámetro promedio	570 ± 50 µm
Coefficiente de uniformidad (max.)	1.2
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	1.09
Peso de envío (aprox.)	670 - 710 g/L (41.9 - 44.4 lb/pie ³)
Límite de temperatura, lecho no Regenerable	100 °C (212.0 °F) (OH- forma)

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