HOJA TÉCNICA

Purolite™ CriticalResin™ NRW505

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

PRINCIPALES APLICACIONES

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

VENTAJAS

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

ENVASE TÍPICO

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

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/pie³) (OH- forma)
Retención de la humedad	53 - 58 % (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 sódio (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.)	680 - 720 g/L (42.5 - 45.0 lb/pie³)

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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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