

Purolite™ CriticalResin™ NRW5050

Polystyrol makroporös, Stark
basisches Anionenaustauscher, Typ
I, Hydroxid Form, monodisperses
Kornspektrum, Qualität für
Kernkraftanwendungen

EINSATZGEBIETE

- Reinigung beim Ausblasen des Dampferzeugers
- CVCS Borentfernung aus dem Primärkreislauf
- Primären Kühlkreislaufmittel Reinigung
- Dekontamination radioaktiver Abfälle
- Mischbett Anionenkomponente

VORTEILE

- Borsäureselektiv
- höchste Überführung in die Lithium-Form
- minimaler Gehalt an Chloriden und Sulfaten
- minimaler Metallgehalt
- geringes extrahierbares TOC und geringe Waschwassermengen

TYPISCHE VERPACKUNGEN

- 1 CF Karton
- 5 CF Papptrommel

TYPISCHE PHYSIKALISCHE & CHEMISCHE EIGENSCHAFTEN:

Polymerstruktur	makroporöses Polystyrol quervernetzt mit Divinylbenzol
Aussehen	Spherische Kugeln
Funktionelle Gruppe	quartäres Ammonium, Typ I
Ionische Form	OH-
Totalkapazität (min.)	0.9 eq/L (19.7 Kgr/ft³) (OH-)
Wassergehalt	53 - 58 % (Cl-)
mittler Korndurchmesser	570 ± 50 µm
Uniformitätskoeffizient (max)	1.2
Umsetzung (min)	95 % (OH-)
Verunreinigungen Eisen (max.)	50 ppm
Verunreinigungen Natrium (max.)	20 ppm
Verunreinigungen Schwermetalle (max.)	30 ppm
Anionenform, CO ₃ ²⁻ (max.)	5 %
Anionenform, SO ₄ ²⁻ (max.)	0.1 %
Anionenform, Cl ⁻ (max.)	0.1 %
Spezifische Dichte	1.09
Schüttgewicht (ca.)	670 - 710 g/l (41.9 - 44.4 lb/ft³)
Temperature Limit, nicht regeneriertes Bett	100 °C (212.0 °F) (OH-)

Ecolab is a global developer, manufacturer, and supplier of Purolite™ Resins including ion exchange, catalyst adsorbent and advanced polymers that make the world cleaner and healthier.

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