

Purolite® NRW100Li7

Polystyrénique Gel, Résine cationique fortement acide, Forme lithium 7, Qualité nucléaire

APPLICATIONS PRINCIPALES

- Décontamination - Circuits primaires lithiés
- Composante cationique du lit mélangé
- Contrôle du pH du circuit primaire

AVANTAGES

- Conversion sous forme lithium 7 élevée
- Taux résiduel en métaux minimum
- Faible taux d'extractibles et faible rinçage
- Bonne résistance physique et chimique

SYSTÈMES

- Circuits radioactifs

CONDITIONNEMENT CLASSIQUE

- 1 CF Box
- Fût (fibre) 5 ft³

CARACTÉRISTIQUES PHYSICO-CHIMIQUES TYPIQUES

Structure du polymère	Résine gel polystyrénique réticulée au divinylbenzène
Apparence	Billes sphériques
Groupe fonctionnel	Acide sulphonique
Forme ionique	Forme ${}^7\text{Li}^+$
Capacité totale (min.)	1.8 eq/L (39.3 kgr/ft³) (Forme ${}^7\text{Li}^+$)
Rétention d'humidité	51 - 55 % (Forme H^+)
Plage de granulométrie des billes	425 - 1200 μm
< 425 μm (max.)	2 %
Coefficient d'uniformité (max.)	1.7
Conversion (min.)	99.9 % (Forme ${}^7\text{Li}^+$)
Impuretés en fer (max.)	50 ppm
Impuretés en sodium (max.)	40 ppm
Impuretés en métaux lourds (max.)	40 ppm
Densité réelle	1.23
Densité apparente (approx.)	775 - 815 g/L (48.4 - 50.9 lb/ft³)
Températures limites	120 °C (248.0 °F)



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