PRODUCT DATA SHEET

Purolite™ CriticalResin™ NRW505

Polystyrénique Macroporeux, Anion fortement basique de type I, Forme hydroxyde, Qualité nucléaire

APPLICATIONS PRINCIPALES

- Purification des condensats de vapeur
- Déboratation du circuit primaire RCV
- Traitement de finition du circuit primaire
- Décontamination des circuits des eaux usées radioactives
- Composante anionique du lit mélangé

AVANTAGES

- Très sélectif pour le bore
- Conversion sous forme hydroxyde élevée
- Faible taux résiduel en chlorures et sulfates
- Taux résiduel en métaux minimum
- Faible taux d'extractibles et faible rinçage

CONDITIONNEMENT CLASSIQUE

- 1 CF Box
- Füt (fibre) 5 ft³

CARACTÉRISTIQUES PHYSICO-CHIMIQUES TYPIQUES

Structure du polymère	Polystyrène macroporeux réticulé au divinylbenzene
Apparence	Billes sphériques
Groupe fonctionnel	Amine quaternaire de type I
Forme ionique	Forme OH^-
Capacité totale (min.)	0.9 eq/L (19.7 kgr/ft³) (Forme OH^-)
Rétention d'humidité	53 - 58 % (Cl^-)
Plage de granulométrie des billes	425 - 1200 µm
< 425 µm (max.)	2 %
Coefficient d'uniformité (max.)	1.7
Conversion (min.)	95 % (Forme OH^-)
Impuretés en fer (max.)	50 ppm
Impuretés en sodium (max.)	20 ppm
Impuretés en métaux lourds (max.)	30 ppm
Forme anionique, CO_3^{2-} (max.)	5 %
Forme anionique, SO_4^{2-} (max.)	0.1 %
Forme anionique, Cl^- (max.)	0.1 %
Densité réelle	1.09
Densité apparente (approx.)	680 - 720 g/L (42.5 - 45.0 lb/ft³)

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Températures limites, non-régénérable	100 °C (212.0 °F) (Forme OH^-)
Températures limites, régénérable	60 °C (140.0 °F) (Forme OH^-)

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