PRODUCT DATA SHEET

Purolite™ UltraClean™ UCW1008

Polystyrénique Gel, Gel, Résine lit mélangé, Forme hydrogène, Forme hydroxyde, Non séparable, Qualité d'eau ultra pure

APPLICATIONS PRINCIPALES

- Green Hydrogen Production
- Water Purification for Electrolysis
- Déminéralisation - Eau d'appoint
- Water Loop Purification

AVANTAGES

- Ultra-low TOC grade
- Non-separable
- Très haute capacité opératoire
- Produces ultrapure water quality

SYSTÈMES

- Lits mélangés non-régénérables
- Proton Exchange Membrane Electrolysis (PEM)
- Anion Exchange Membrane Electrolysis (AEM)
- Alkaline Electrolysis (AEL)

CONDITIONNEMENT CLASSIQUE

- 1 CF Box
- Fût (plastique) 50 l
- Füt (fibre) 5 ft³

CARACTÉRISTIQUES PHYSICO-CHIMIQUES TYPIQUES

Apparence	Billes sphériques	
COT (max.)	< 1 ppb COT avant 100 volumes de rinçage à 30 VV/h (*)	
Résistivité	> 18 MΩ cm avant 2 volumes de rinçage à 30 VV/h (*)	
Densité apparente (approx.)	660 - 710 g/L (41.2 - 44.4 lb/ft³)	
Températures limites	up to 70˚C (**)	
Nom du composant	Cation gel de qualité ultra pure	Anion gel type I de qualité ultra pure
Structure polymérique	Résine gel polysterènique réticulée au divinylbenezène	Résine gel polysterènique réticulée au divinylbenezène
Groupe fonctionnel	Acide sulphonique	Amine quaternaire de type I
Forme ionique	Forme H^+	Forme OH^-
Ration Cation / Anion en équivalent chimique	1	1
Capacité totale (min.)	1.9 eq/L (Forme H^+)	1.0 eq/L (Forme OH^-)
Conversion (min.)	99.9 % (Forme H^+)	95 % (Forme OH^-)
Rétention d'humidité	49 - 55 % (Forme H^+)	50 - 58 % (Cl^-)
Note de bas de page	* Qualité de l'eau d'entrée: > 17.5 MΩ cm; < 2 ppb COT	
Note de bas de page	** For continuous operation >60˚C contact a Purolite technical advisor.	

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