

Purolite™ CriticalResin™ NRW3560Li7

Polystyrol makroporös, Gel,
Mischbettharz, Lithium 7 Form,
Hydroxid Form, Qualität für
Kernkraftanwendungen

EINSATZGEBIETE

- pH Kontrolle des primären Kühlkreislaufes

SYSTEME

- primärer Kühlkreislauf

TYPISCHE VERPACKUNGEN

- 1 CF Karton
- 5 CF Papptrommel

TYPISCHE PHYSIKALISCHE & CHEMISCHE EIGENSCHAFTEN:

Aussehen	Spherische Kugeln	
Partikelgrößen Bereich	425 - 1200 µm	
< 425 µm (max.)	2 %	
Uniformitätskoeffizient (max)	1.7	
Verunreinigungen Eisen (max.)	50 ppm	
Verunreinigungen Natrium (max.)	30 ppm	
Verunreinigungen Schwermetalle (max.)	40 ppm	
Anionenform, CO ₃ ²⁻ (max.)	5 %	
Anionenform, SO ₄ ²⁻ (max.)	0.1 %	
Anionenform, Cl ⁻ (max.)	0.1 %	
Schüttgewicht (ca.)	720 - 750 g/l (45.0 - 46.9 lb/ft³)	
Temperature Limit, nicht regeneriertes Bett	100 °C (212.0 °F)	
Temperaturlimit, Regeneriertes Bett	60 °C (140.0 °F)	
Verbindungs Name	Lithium 7 makroporöser stark saurer Kationenaustauscher	Stark Basischer Gel-Anionenaustauscher
Polymerstruktur	makroporöses Polystyrol quervernetzt mit Divinylbenzol	Gel Polystyrol quervernetzt mit Divinylbenzol
Funktionelle Gruppe	Sulfonsäure	quartäres Ammonium, Typ I
Ionische Form	⁷ Li ⁺	OH ⁻ Form
Kation / Anion chemisch äquivalentes Mischungsverhältnis	1	1
Totalkapazität (min.)	2.1 eq/L (⁷ Li ⁺ -Form)	1.1 eq/L (OH ⁻)

Umsetzung (min)	99.9 % (${}^7\text{Li}^+$ -Form)	95 % (OH $^-$)
Spezifische Dichte	1.24	1.08

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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