

# Purolite® NRW3540Li7

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 <sub>3</sub> <sup>2-</sup> (max.)	5 %	
Anionenform, SO <sub>4</sub> <sup>2-</sup> (max.)	0.1 %	
Anionenform, Cl <sup>-</sup> (max.)	0.1 %	
Schüttgewicht (ca.)	705 - 740 g/l (44.1 - 46.2 lb/ft³)	
Temperature Limit, nicht regeneriertes Bett	60 °C (140.0 °F)	
Temperaturlimit, Regeneriertes Bett	100 °C (212.0 °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	<sup>7</sup> Li <sup>+</sup>	OH <sup>-</sup> Form
Kation / Anion chemisch äquivalentes Mischungsverhältnis	1	1
Totalkapazität (min.)	2.3 eq/L ( <sup>7</sup> Li <sup>+</sup> -Form)	1 eq/L (OH <sup>-</sup> )
Umsetzung (min)	99.9 % ( <sup>7</sup> Li <sup>+</sup> -Form)	95 % (OH <sup>-</sup> )





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