

Product Data Sheet

DIAION™ UBA10AOH

DIAION™ UBA10AOH is an anion exchange resin with a uniform particle size. It has a standard cross-linkages and excellent properties. A wide range of applications, especially in a field of manufacturing and processing pure water, is recommended.

Product

Grade Name	DIAION™ UBA10AOH
Type	Strong Base Anion
Matrix	Styrene-DVB, Gel
Functional Group	Type I (trimethyl ammonium groups)
Ionic Form	OH ⁻

Specification

Whole Bead Count	-	95 min.
Apparent Density	g/mL	0.67 - 0.75
Salt Splitting Capacity	mmol/mL	0.9 min.
Water Content	%	55 - 65
Particle Size Distribution 0.400 - 0.800 mm	%	95 min.
Particle Size Distribution on 0.800 mm	%	1 max.
Effective Size	mm	0.50 - 0.71
Particle Density	g/mL	1.05 - 1.09
Uniformity Coefficient	-	1.1 max.
Sphericity after osmotic-attrition	%	90 min.
Ionic Conversion (OH ⁻)	eq%	90 min.
Ionic Conversion (Cl ⁻)	eq%	1 max.
Ionic Conversion (CO ₃ ²⁻)	eq%	10 max.

Typical Properties

Average Diameter	μm	590
Total Swelling (Cl ⁻ to OH ⁻)	%	23



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DIAION™ UBA10AOH**Recommended Operating Conditions**

Maximum Operating Temperature	°C	80 (Cl ⁻) 60 (OH ⁻)
Operating pH Range		0 - 14
Minimum Bed Depth	mm	800
Service Flow Rate	m/h	10 - 60
Regenerant		NaOH
Regenerant Concentration	%	NaOH 2 - 8
Regenerant Level	g/L	50 - 200
Regenerant Flow Rate	m/h	2 - 8
Total Rinse Requirement	BV	2 - 10



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Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ UBA10AOH resin in normal down flow operation is shown in the graphs below.

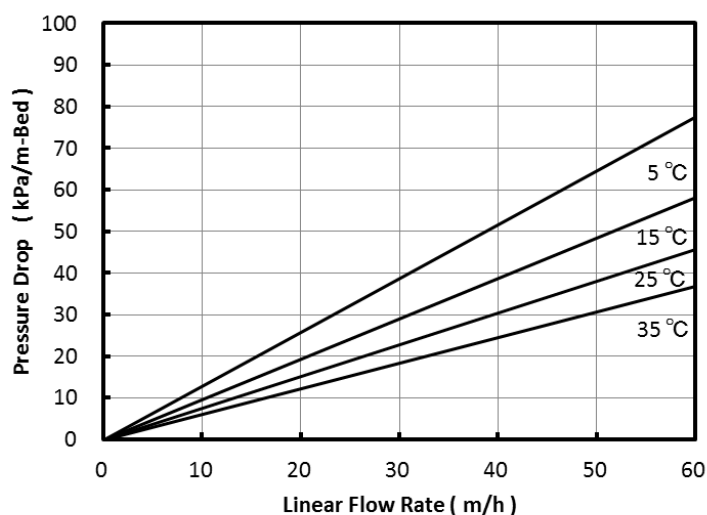


Fig. 1 Pressure Drop of UBA10AOH

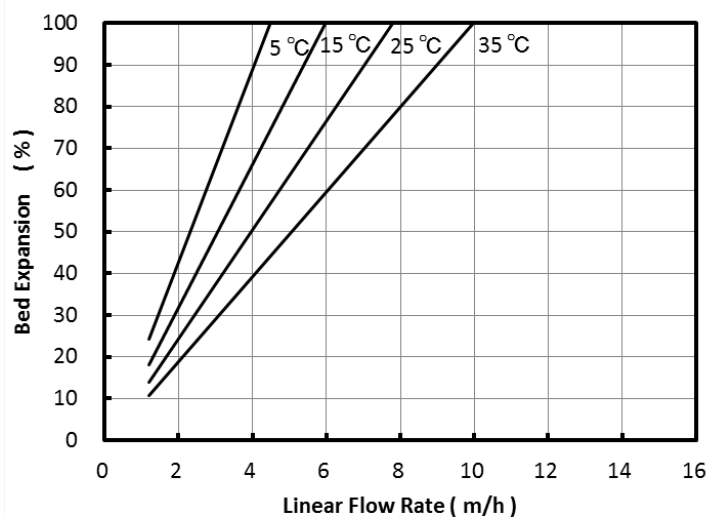


Fig. 2 Bed Expansion of UBA10AOH

Notice

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