Product Data Sheet

DIAION™ UBK10H

DIAION™ UBK10H is a cation exchange resin with a uniform particle size. It has 10% 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 [™] UBK10H
Туре		Strong Acid Cation
Matrix		Styrene-DVB, Gel
Functional Group		Sulfonic acid
Ionic Form		H ⁺
Specification		
Whole Bead Count	-	90 min.
Salt Splitting Capacity	meq/mL	1.9 min.
Water Content	%	45 - 51
Average Diameter	μm	660 ± 50
Uniformity Coefficient	-	1.10 max.
Ionic Conversion (H+)	%	99 min.
Typical Properties		
Shipping Density	g/mL	800
Particle Density	g/mL	1.22
Total Swelling (Na ⁺ to H ⁺)	%	8
Recommended Operating Condit	ions	
Maximum Operating Temperature	°C	120
Operating pH Range		0 - 14
Minimum Bed Depth	mm	800
Service Flow Rate	m/h	10 - 40
Regenerant		HCI
		H_2SO_4
Regenerant Concentration	%	HCl 4 - 10
		H ₂ SO ₄ 1 - 4
Regenerant Level	g/L	30 - 150
Regenerant Flow Rate	m/h	2 - 10
Total Rince Requirement	BV	2 - 10





DIAIONTM

UBK10H

Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAIONTM UBK10H resin in normal down flow operation is shown in the graphs below.

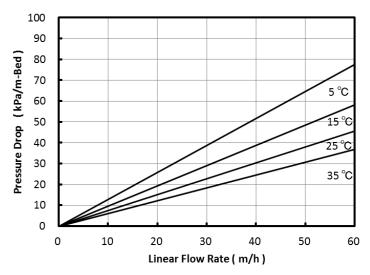


Fig. 1 Pressure Drop of UBK10H

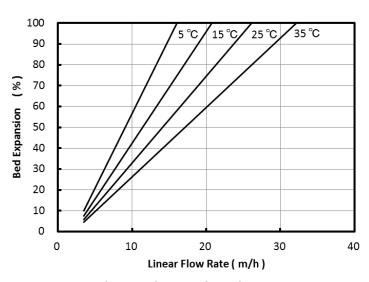


Fig. 2 Bed Expansion of UBK10H

Notice

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No.01-02-A-0501



