

## Product Data Sheet

**DIAION™ UBA100**

DIAION™ UBA100 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™ UBA100
Type	Strong Base Anion
Matrix	Styrene-DVB, Gel
Functional Group	Type I (trimethyl ammonium groups)
Ionic Form	Cl <sup>-</sup>

**Specification**

Whole Bead Count	-	90 min.
Salt Splitting Capacity	meq/mL	1.35 min.
Water Content	%	43 - 49
Mean Particle Size	μm	550 ± 50
Uniformity Coefficient	-	1.10 max.

**Typical Properties**

Shipping Density	g/L	670
Particle Density	g/mL	1.08
Total Swelling (Cl <sup>-</sup> to OH <sup>-</sup> )	%	23

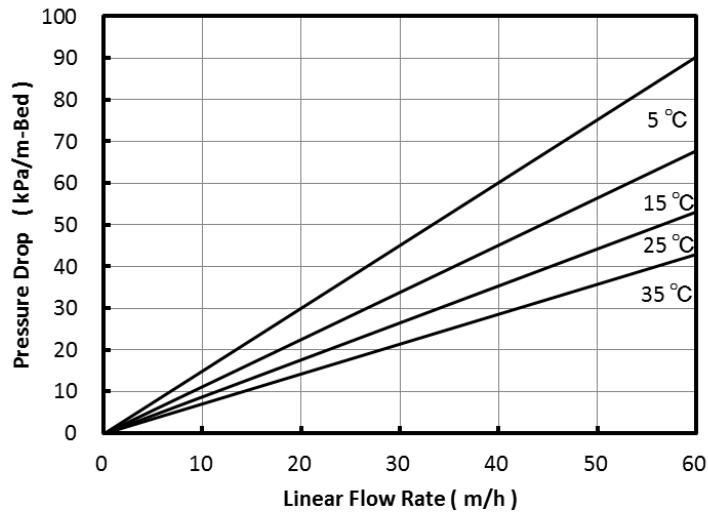
**Recommended Operating Conditions**

Maximum Operating Temperature	°C	80 (Cl <sup>-</sup> ) 60 (OH <sup>-</sup> )
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

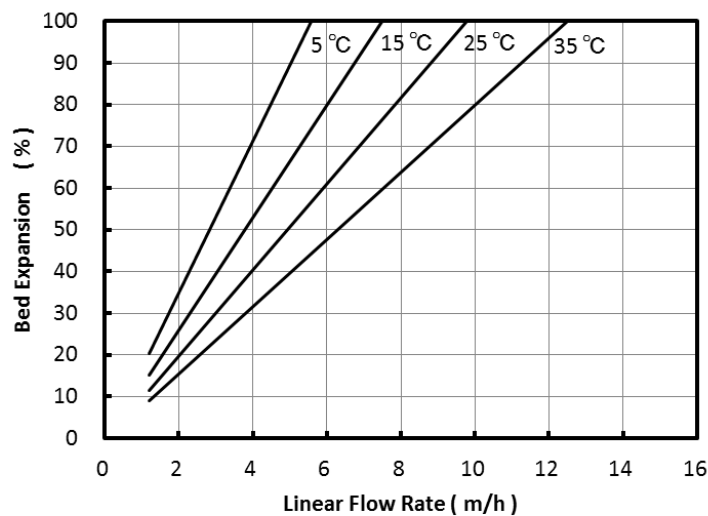


### Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ UBA100 resin in normal down flow operation is shown in the graphs below.



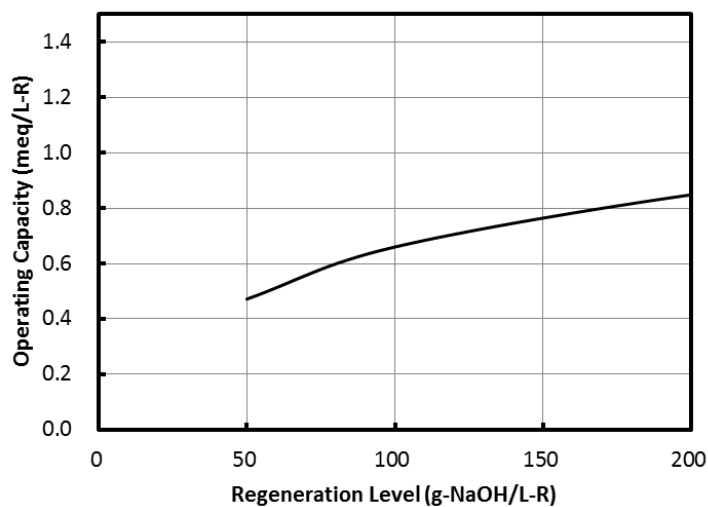
**Fig. 1 Pressure Drop of UBA100**



**Fig. 2 Bed Expansion of UBA100**

# DIAION™ UBA100

## Operational Capacity Data



**Fig. 3 Operational Capacity Data of UBA100**

Regenerant : 4 % NaOH

## Notice

This information are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. The application, use and processing of our products are beyond our control and therefore your own responsibility.



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