

## Product Data Sheet

## DIAION™ UBK535

DIAION™ UBK535 is a high quality uniform particle size cation exchange resin. It has standard crosslinkage and excellent properties for industrial applications. It is recommended for industrial pharmaceuticals, fermentation and food fields.

## Product

Grade Name	DIAION™ UBK535	
Type	Strong Acid Cation	
Matrix	Styrene-DVB, Gel	
Functional Group	Sulfonic acid	
Ionic Form	Ca <sup>2+</sup>	

## Specification

Whole Bead Count	-	95 min.
Salt Splitting Capacity	meq/mL	1.6 min.
Water Content	%	47 - 51
Particle Size Distribution 190 - 240 µm	%	90 min.
Uniformity Coefficient	-	1.10 max.
Ionic Form Conversion (Ca <sup>2+</sup> )	eq%	98 min.

## Typical Properties

Shipping Density	g/L	840
Particle Density	g/mL	1.27
Mean Particle Size	µm	220
Total Swelling (Ca <sup>2+</sup> to H <sup>+</sup> )	%	20

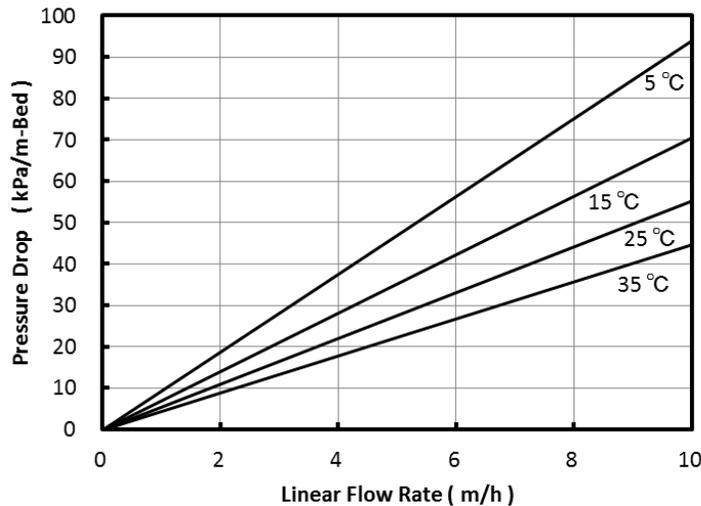
## Recommended Operating Conditions

Maximum Operating Temperature	°C	120
Operating pH Range		0 - 14

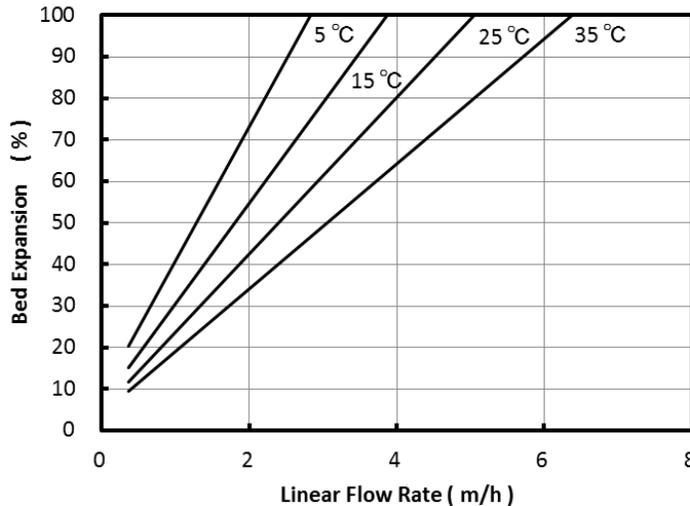


### Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ UBK535 resin in normal down flow operation is shown in the graphs below.



**Fig. 1 Pressure Drop of UBK535**



**Fig. 2 Bed Expansion of UBK535**

### 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.

