

## Product Data Sheet

**DIAION™ UBK535L**

DIAION™ UBK535L 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™ UBK535L
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 290 - 350 µm	%	90.0 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	320

**Recommended Operating Conditions**

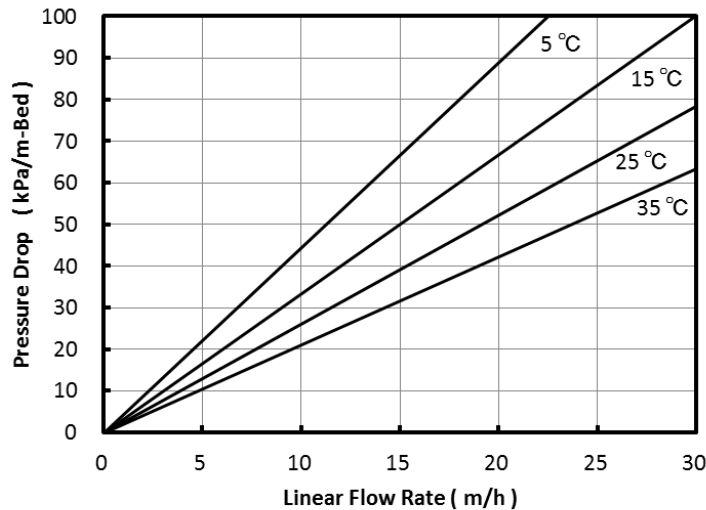
Maximum Operating Temperature	°C	120
Operating pH Range		0 - 14



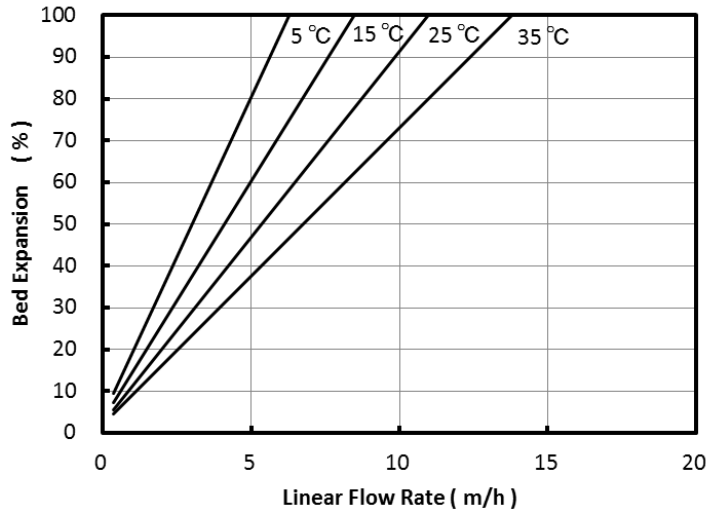
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### Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ UBK535L resin in normal down flow operation is shown in the graphs below.



**Fig. 1 Pressure Drop of UBK535L**



**Fig. 2 Bed Expansion of UBK535L**

### 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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