

## Product Data Sheet

**DIAION™ UBK510L**

DIAION™ UBK510L is a high quality uniform particle size cation exchange resin. It has 4% crosslinkage and excellent properties for industrial applications. It is recommended for industrial pharmaceuticals, fermentation and food fields.

**Product**

Grade Name	DIAION™ UBK510L	
Type	Strong Acid Cation	
Matrix	Styrene-DVB, Gel	
Functional Group	Sulfonic acid	
Ionic Form	Na <sup>+</sup>	

**Specification**

Whole Bead Count	-	95 min.
Salt Splitting Capacity	meq/mL	1.2 min.
Water Content	%	61 - 65
Particle Size Distribution 300 - 360 µm	%	90 min.

**Typical Properties**

Shipping Density	g/L	790
Particle Density	g/mL	1.18
Mean Particle Size	µm	330
Total Swelling (Na <sup>+</sup> to H <sup>+</sup> )	%	9

**Recommended Operating Conditions**

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



Phone: 212-204-0075  
 Email: [info@pyvot.tech](mailto:info@pyvot.tech)  
 Web: [www.pyvot.tech](http://www.pyvot.tech)

### Hydraulic Characteristics

The approximate pressure drop at various temperatures and flow rates for each meter of bed depth of DIAION™ UBK510L resin in normal down flow operation is shown in the graphs below.

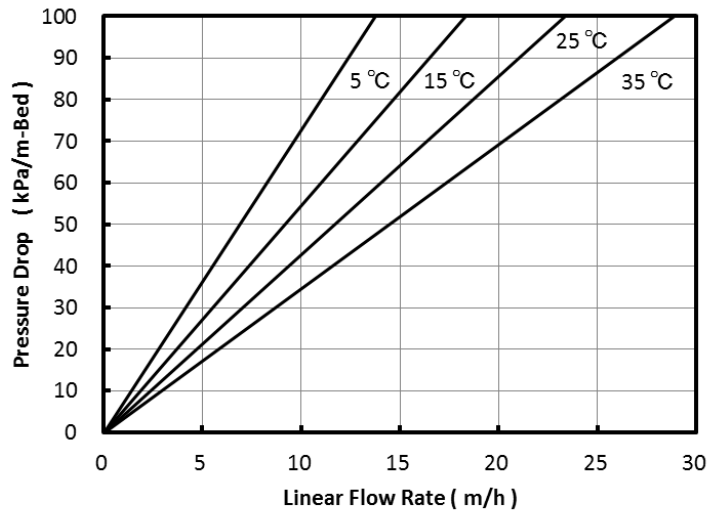


Fig. 1 Pressure Drop of UBK510L

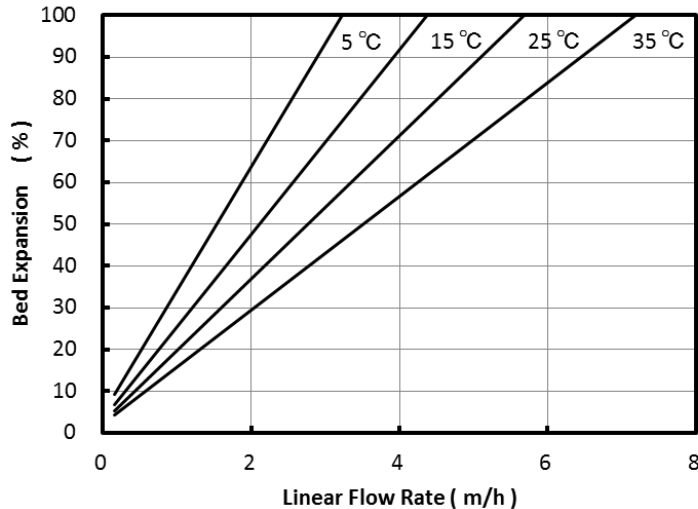


Fig. 2 Bed Expansion of UBK510L

### 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.

