

## Product Data Sheet

**DIAION™ UBK530K**

DIAION™ UBK530K 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™ UBK530K	
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	1.6 min.
Water Content	%	52.0 - 55.5
Particle Size Distribution 330 - 390 μm	%	90.0 min.
Uniformity Coefficient	-	1.10 max.

**Typical Properties**

Shipping Density	g/L	830
Particle Density	g/mL	1.22
Mean Particle Size	μm	360
Total Swelling (Na <sup>+</sup> to H <sup>+</sup> )	%	10

**Recommended Operating Conditions**

Maximum Operating Temperature	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™ UBK530K resin in normal down flow operation is shown in the graphs below.

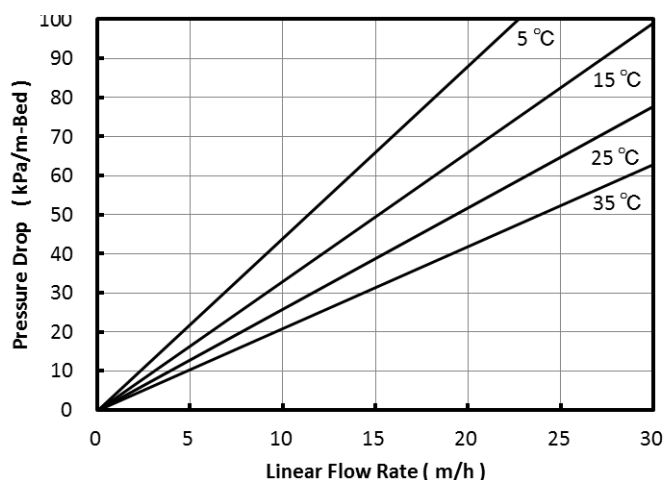


Fig. 1 Pressure Drop of UBK530K

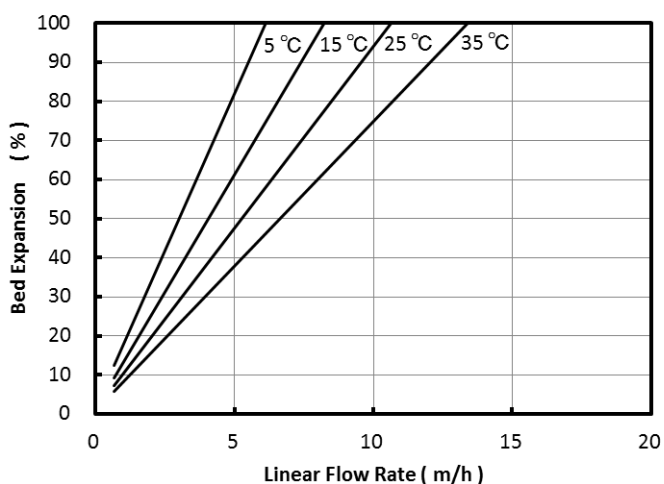


Fig. 2 Bed Expansion of UBK530K

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