

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 ⁺	

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 ⁺ to H ⁺)	%	10

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

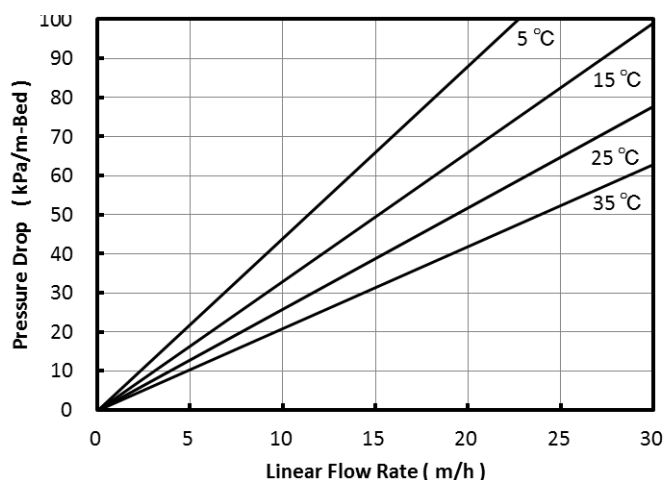


Fig. 1 Pressure Drop of UBK530K

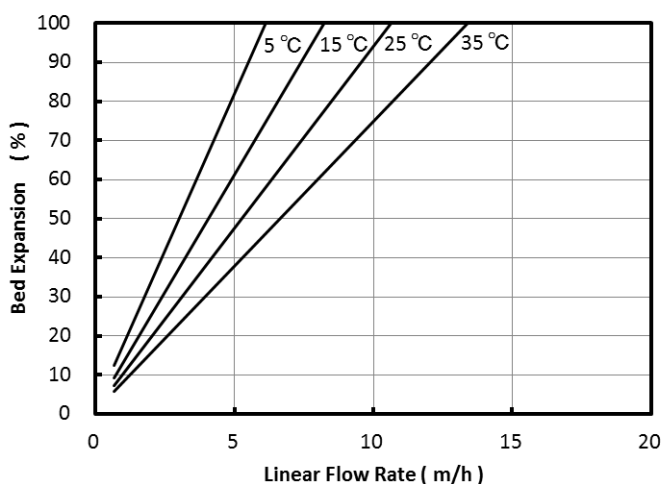


Fig. 2 Bed Expansion of UBK530K

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