

Product Data Sheet

DIAION™ UBK530

DIAION™ UBK530 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™ UBK530	
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 200 - 240 μm	%	85 min.
Uniformity Coefficient	-	1.10 max.

Typical Properties

Shipping Density	g/L	830
Particle Density	g/mL	1.22
Mean Particle Size	μm	220
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™ UBK530 resin in normal down flow operation is shown in the graphs below.

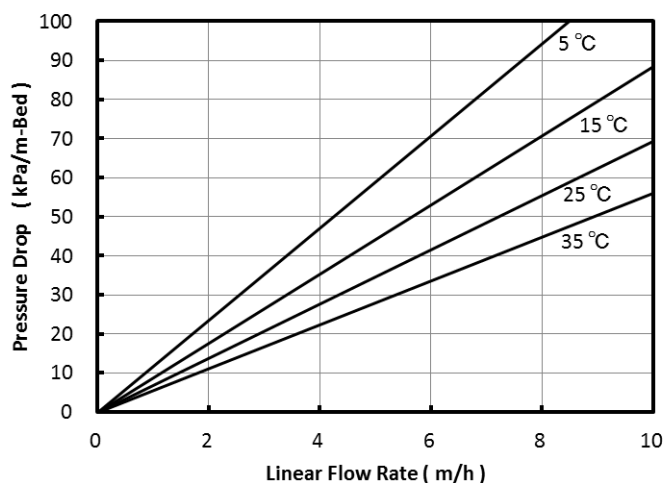


Fig. 1 Pressure Drop of UBK530

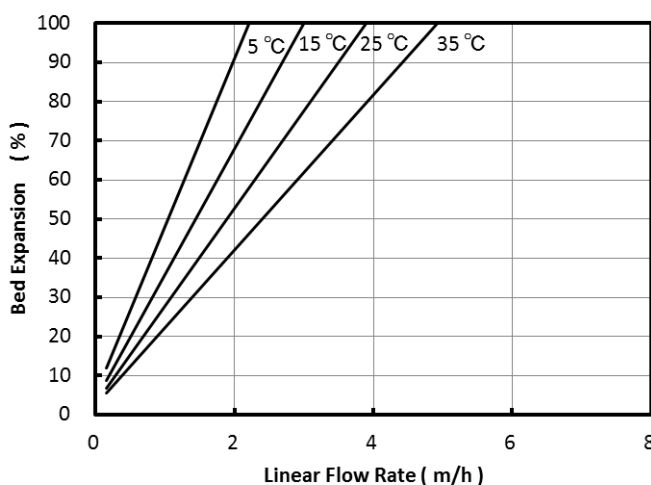


Fig. 2 Bed Expansion of UBK530

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