

Product Data Sheet

DIAION™ UBK550

DIAION™ UBK550 is a high quality uniform particle size cation exchange resin. It has 8% crosslinkage and excellent properties for industrial applications. It is recommended for industrial pharmaceuticals, fermentation and food fields.

Product

Grade Name	DIAION™ UBK550	
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	1.9 min.
Water Content	%	46.0 - 49.5
Particle Size Distribution 200 - 240 μm	%	85 min.

Typical Properties

Shipping Density	g/L	850
Particle Density	g/mL	1.28
Mean Particle Size	μm	220
Uniformity Coefficient	-	1.04
Total Swelling (Na ⁺ to H ⁺)	%	9

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™ UBK550 resin in normal down flow operation is shown in the graphs below.

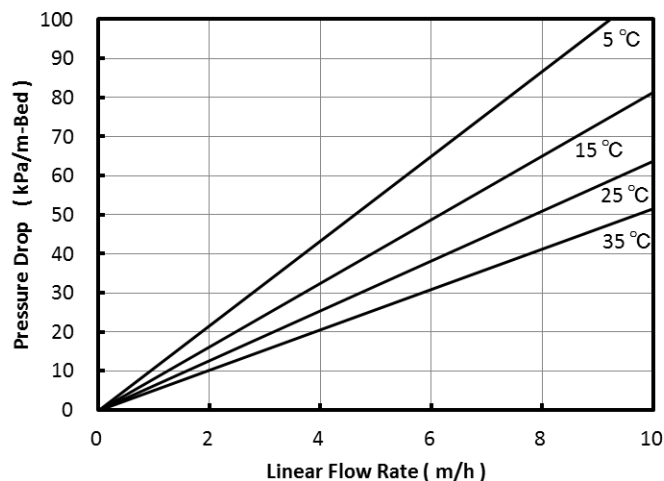


Fig. 1 Pressure Drop of UBK550

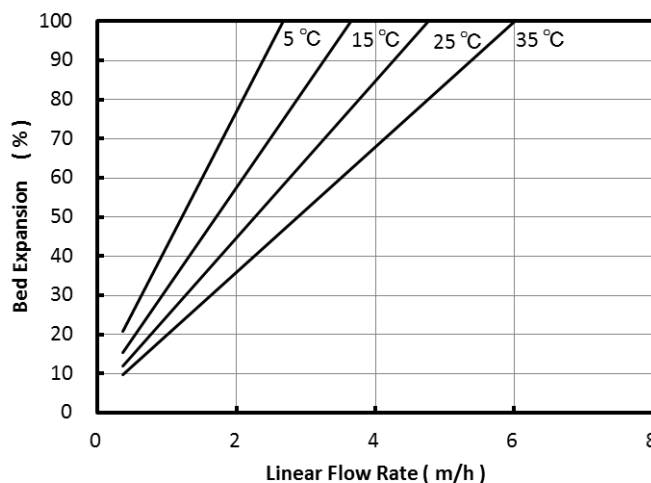


Fig. 2 Bed Expansion of UBK550

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