

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 ⁺	

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 ⁺ 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™ UBK510L resin in normal down flow operation is shown in the graphs below.

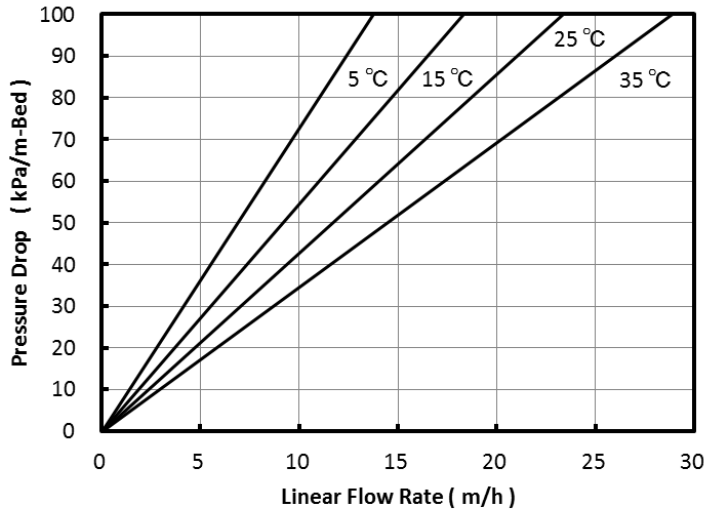


Fig. 1 Pressure Drop of UBK510L

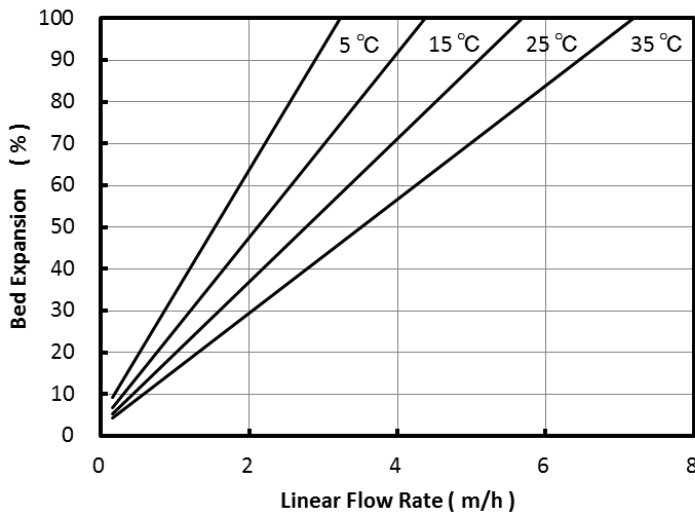


Fig. 2 Bed Expansion of UBK510L

Notice

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