

Product Data Sheet

DIAION™ UBK555

DIAION™ UBK555 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™ UBK555	
Type	Strong Acid Cation	
Matrix	Styrene-DVB, Gel	
Functional Group	Sulfonic acid	
Ionic Form	Ca ²⁺	

Specification

Whole Bead Count	-	95 min.
Salt Splitting Capacity	meq/mL	2.0 min.
Water Content	%	42 - 46
Particle Size Distribution 190 - 240 µm	%	85 min.
Ionic Form Conversion (Ca ²⁺)	eq%	98 min.

Typical Properties

Shipping Density	g/L	870
Particle Density	g/mL	1.30
Mean Particle Size	µm	220
Uniformity Coefficient	-	1.03
Total Swelling (Ca ²⁺ to H ⁺)	%	13

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™ UBK555 resin in normal down flow operation is shown in the graphs below.

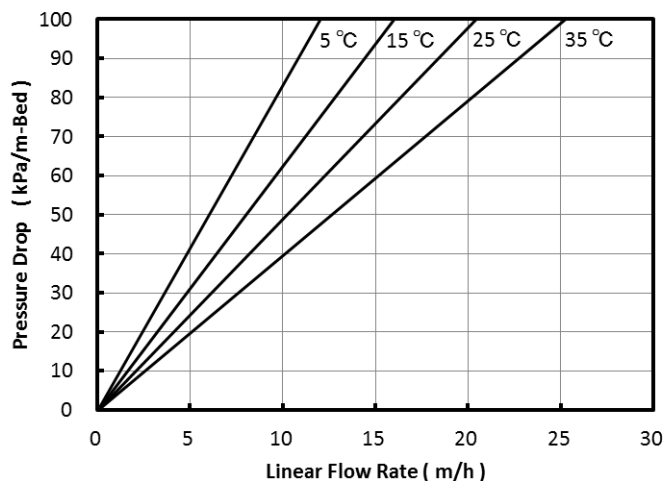


Fig. 1 Pressure Drop of UBK555

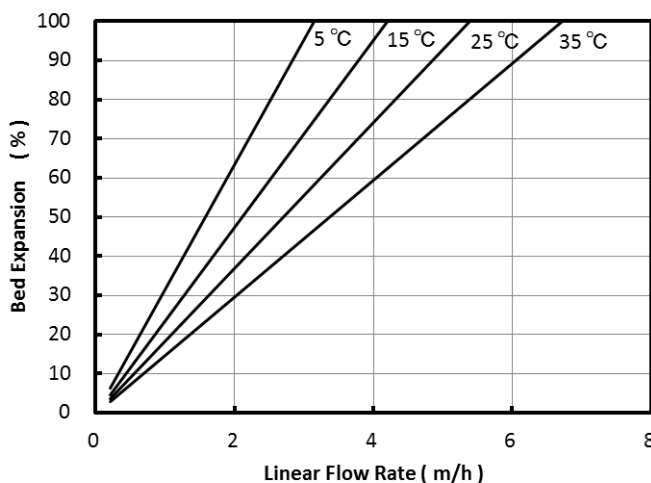


Fig. 2 Bed Expansion of UBK555

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