

Product Data Sheet

DIAION™ UBK522M

DIAION™ UBK522M is a high quality uniform particle size cation exchange resin. It has 5% crosslinkage and excellent properties for industrial applications. It is recommended for industrial pharmaceuticals, fermentation and food fields.

Product

Grade Name	DIAION™ UBK522M	
Type	Strong Acid Cation	
Matrix	Styrene-DVB, Gel	
Functional Group	Sulfonic acid	
Ionic Form	K ⁺	

Specification

Whole Bead Count	-	95 min.
Salt Splitting Capacity	meq/mL	1.6 min.
Water Content	%	47 - 52
Water Content (H form)	%	61.0 - 63.0
Mean Particle Size	μm	290 - 320
Uniformity Coefficient	-	1.10 max.
Ionic Form Conversion (K ⁺)	eq%	98 min.

Typical Properties

Shipping Density	g/L	810
Particle Density	g/mL	1.25

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™ UBK522M resin in normal down flow operation is shown in the graphs below.

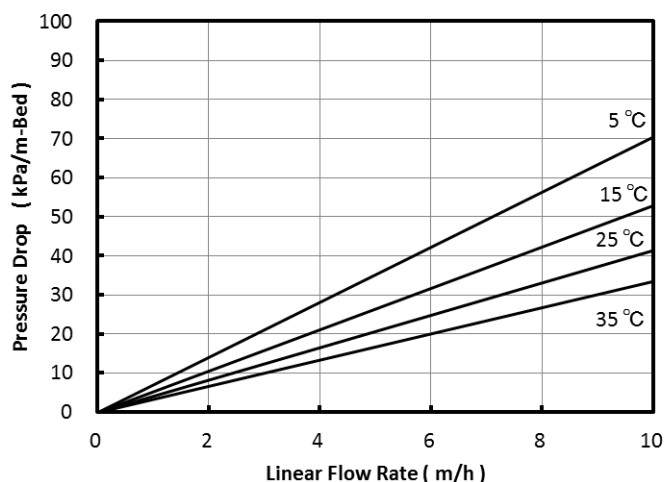


Fig. 1 Pressure Drop of UBK522M

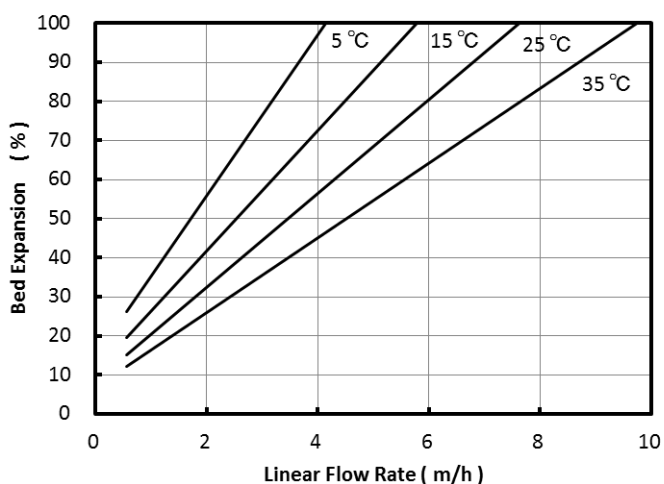


Fig. 2 Bed Expansion of UBK522M

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