

## 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.

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**Product**


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

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**Specification**


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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 <sup>+</sup> )	eq%	98 min.

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**Typical Properties**


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

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**Recommended Operating Conditions**


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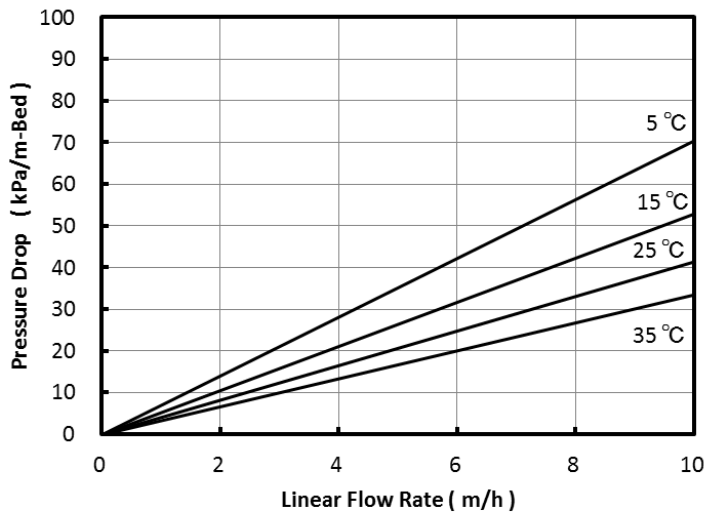
Maximum Operating Temperature	°C	120
Operating pH Range		0 - 14

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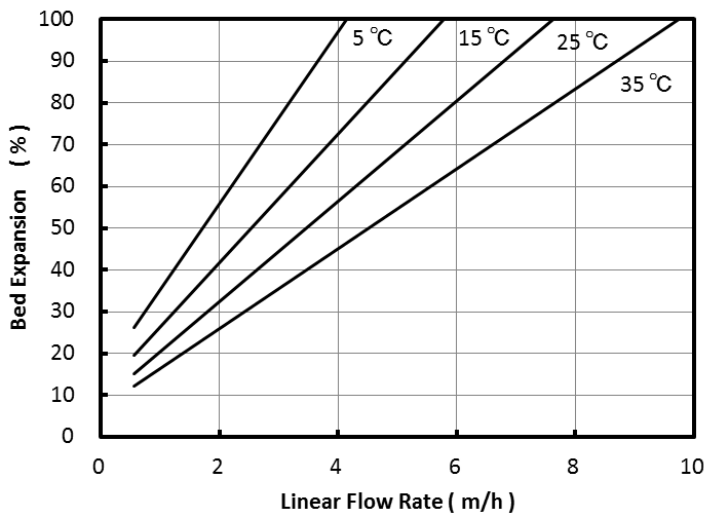


### Hydraulic Characteristics

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**

### Notice

This information are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. The application, use and processing of our products are beyond our control and therefore your own responsibility.