

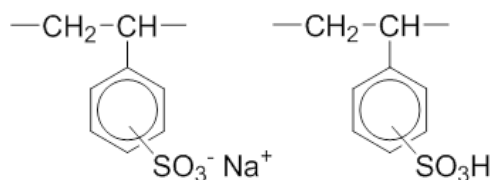
DIAION™ UBK series

DIAION™ UBK series are cation exchange resins with uniform particle size. A wide range of applications, especially in a field of manufacturing and processing pure water, is recommended.

Product

Type	Strong Acid Cation
Matrix	Styrene-DVB, Gel
Functional Group	Sulfonic acid

Chemical Structure



Typical physical and chemical properties

Grade	Strongly Acidic Cation Exchange Resin			
Grade Name	DIAION™ UBK08	DIAION™ UBK10	DIAION™ UBK08H	DIAION™ UBK10H
Ionic form	Na ⁺	Na ⁺	H ⁺	H ⁺
Whole Bead Content	90 min.	90 min.	90 min.	90 min.
Shipping Density (g/L, approx.)	840	850	800	800
Salt Splitting Capacity (meq/mL)	2.0 min.	2.2 min.	1.8 min.	1.9 min.
Water Content (%)	43 - 49	38 - 44	50 - 56	45 - 51
Average Diameter (μm)	600 ± 50	650 ± 50	620 ± 50	660 ± 50
Uniformity Coefficient	1.10 max.	1.10 max.	1.10 max.	1.10 max.
Volume Change [Na ⁺ to H ⁺] (%)	9	8	9	8
Particle Density (g/mL)	1.28	1.32	1.20	1.22
Max. Operating Temperature (°C)	120	120	120	120