

Product Information

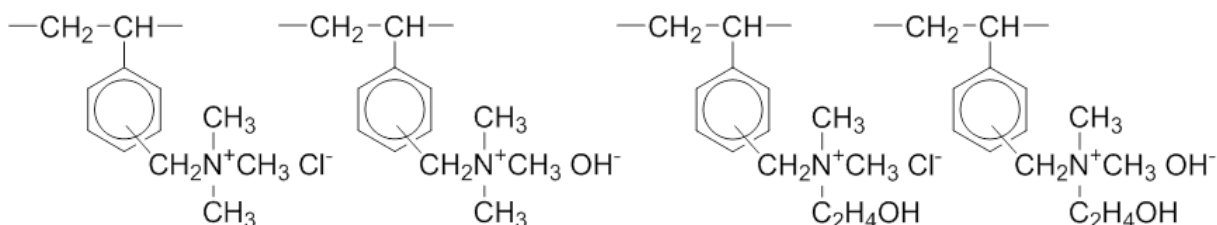
DIAION™ UBA series

DIAION™ UBA series are anion exchange resins with uniform particle size. It has a standard cross-linkages and excellent properties. A wide range of applications, especially in a field of manufacturing and processing pure water, is recommended.

Product

Type	Strong Base Anion
Matrix	Styrene-DVB, Gel
Functional Group	Type I or Type II

Chemical Structure



Type I (trimethyl ammonium groups)

Type II (dimethylethanol ammonium groups)

Typical physical and chemical properties

Grade	Strongly Basic Anion Exchange Resin				
Grade Name	DIAION™ UBA120	DIAION™ UBA100	DIAION™ UBA200	DIAION™ UBA120OH	DIAION™ UBA100OH
Type	Type I	Type I	Type II	Type I	Type I
Ionic form	Cl ⁻	Cl ⁻	Cl ⁻	OH ⁻	OH ⁻
Whole Bead Content	95 min.	90 min.	90 min.	90 min.	90 min.
Shipping Density (g/L, approx.)	680	670	700	675	660
Salt Splitting Capacity (meq/mL)	1.3 min.	1.35 min.	1.3 min.	1.0 min.	1.0 min.
Water Content (%)	49 - 55	43 - 49	45 - 51	62 - 70	59 - 65
Average Diameter (μm)	575 ± 50	550 ± 50	575 ± 50	620 ± 50	590 ± 50
Uniformity Coefficient	1.10 max.	1.10 max.	1.10 max.	1.10 max.	1.10 max.
Volume Change [Cl ⁻ to OH ⁻] (%)	24	23	14	24	23
Particle Density (g/mL)	1.08	1.08	1.11	1.07	1.07
Max. Operating Temperature (°C)	80 (Cl ⁻) 60 (OH ⁻)	80 (Cl ⁻) 60 (OH ⁻)	60 (Cl ⁻) 40 (OH ⁻)	80 (Cl ⁻) 60 (OH ⁻)	80 (Cl ⁻) 60 (OH ⁻)