



AMBERLITE® IRA67

Industrial Grade Weak Base Anion Exchanger

PRODUCT DATA SHEET

AMBERLITE IRA67 is a weak base anion exchange resin with a gel-type acrylic matrix. It has a high capacity, excellent physical stability, fast kinetics, outstanding resistance to organic fouling and a basicity higher than that of polystyrenic weak base resins.

Due to its excellent organic reversibility, AMBERLITE IRA67 is successfully used to demineralise surface waters containing high amounts of organic matter. It is also used in many other applications including deionization of citric acid, whey, gelatine, acid removal from formaldehyde, purification of antibiotics, etc.

PROPERTIES

Matrix _____	Crosslinked acrylic gel structure
Functional groups _____	Tertiary amines
Physical form _____	Transparent white beads
Ionic form as shipped _____	Free Base (FB)
Total exchange capacity ^[1] _____	≥ 1.6 eq/L (FB form)
Moisture holding capacity ^[1] _____	56 to 64 % (FB form)
Specific gravity _____	1.030 to 1.090 (FB form)
Shipping weight _____	700 g/L
Particle size _____	
Uniformity coefficient _____	≤ 1.80
Harmonic mean size _____	500 - 750 µm
Fine contents ^[1] _____	< 0.300 mm : 3.0 % max
Coarse beads _____	> 1.180 mm : 5.0 % max
Maximum reversible swelling _____	FB → Cl ⁻ : 30 %
Chemical resistance _____	Insoluble in dilute solutions of acids or bases and common solvents

^[1] Contractual value

Test methods are available on request.

SUGGESTED OPERATING CONDITIONS (WATER TREATMENT)

Minimum bed depth _____	700 mm
Service flow rate _____	5 to 40 BV*/h
Regenerant _____	NaOH
Flow rate _____	2 to 8 BV/h
Concentration _____	2 to 4 %
Level _____	130 % of ionic load
Minimum contact time _____	30 minutes
Slow rinse _____	2 BV at regeneration flow rate
Fast rinse _____	8 to 16 BV at 10 BV/h

* 1 BV (Bed Volume) = 1 m³ solution per m³ resin

