

SEPLITE® SC 120

SEPLITE® Water Treatment Resins
For use of water softening application

PRODUCT DESCRIPTION

SEPLITE® SC 120 was a high purity strong acid cation resin, gel type, with crosslinking 7%

It was mainly designed for the treatment of water softening in industrial water for water softening, like power plant etc.

Its high excellent mechanical strength and good ion exchange kinetics makes it a good general purpose resin in different applications, compared with other resins in market, this resin is distinguishing for its long serving life.

PHYSICAL AND CHEMICAL CHARACTERISTICS

Products		SC 120
Matrix Structure		Crosslinked polystyrene DVB
Physical Appearance		Yellow beads
Particle size	mm	0.315-1.25mm
Bulk Density	g/l	770-870
Density	g/l	1240-1290
Total capacity	eq/L	≥1.9
Fine beads (%)	%	95

SUGGESTED OPERATION CONDITIONS

Maximum temperature	120 °C		
Operation Flow rate	5 to 50 BV/ h		
Regeneration liquor	NaCl	HCl	H2SO4
Level (g/ L)	60 to 250	50 to 150	50 to 240
Concentration (%)	10	5 to 8	0.7 to 6
Flow rate (BV/ h)	2 to 8	2 to 5	2 to 20
Contact time	≥30 minutes		
Slow rinse	2 BV (Regeneration flow rate)		
Fast rinse	2 to 4 BV(Service flow rate)		
*1 BV (Bed Volume) = 1 m3 solution per m3 resin			



Caution :

Resins should be stored in sealed containers or bags in cool areas where temperature was above 0°C.

Risks of damage to eyes. Rinse immediately with plenty of water under condition of eyes contact, and consult a specialist.

Material and samples must be disposed accordingly to local regulations.

Dry polymers expand when wetted and may cause an exothermic reaction.

Spilled materials may be slippery.

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For more information about SEPLITE® resins, pls contact sunresin directly

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