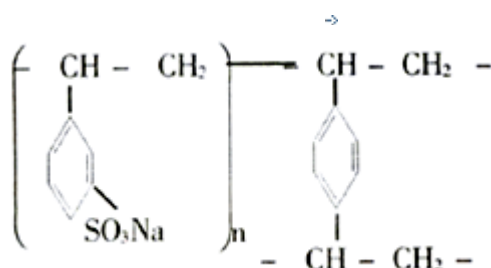


001×7(732) strong acid styrene cation exchange resin

Standard:GB13659-92

There are $-\text{SO}_3\text{H}$ groups on styrene = ethene benzene polymer, its acidity is similar to HCl and H_2SO_4 . It offer ion exchange capacity in basic, acid and neutral condition. It offer large exchange quantity, fast speed and good mechanical strength. brand 732#, is similar to USA :Amberlite IR-120, Dowex-50; Germany :Lewatit-100;



Structural formula:

Specification : 1. Appearance: golden to brown global granule

2. Type : sodium type

3. Properties :

No.	Index name	Value
1	Moisture %	46-52
2	Complete exchange capacity (mmol/g)	4.5
3	Wet apparent density (g/ml)	0.77-0.87
4	Wet true density (g/ml)	1.24-1.28
5	Grainsize(0.315-1.25mm)	≥ 95
6	Sphere rate after abrasion %	≥ 95

Application standard :

1.PH :1-14

2. Max operation temperature : hydrogen type $\leq 100^\circ\text{C}$ sodium type $\leq 120^\circ\text{C}$

3. Shaping dilatibility%:($\text{H}^+ - \text{Na}^+$)8-10

4. Concentration of actified solution : NaCl :3-10%; HCl :4-5%; NaOH :4-5%

5. Dosage of actified solution : NaCl :(8-10%); volume:resin volume =1.5-2:1

HCl (4-5%) volume:resin volume =2-3:1

NaOH (4-5%); volume:resin volume =2-3:1

6. Flow of actified solution :5-8m/h

7. Regeneration contact time :30-60min

8. Conventional well-flushing flow :10-20m/h

9. Conventional well-flushing time : 30min

10. Operational flow:10-40m/h

Uses :

used in water softening , water purification , hydrometallurgical concentration , apportion of rare elements, extraction of antibiotics