



D001

Macroporous Strong Acid Cation Exchange Resin

D001 macroporous cation exchange resin is a polystyrene matrix, macroporous strongly acidic cation exchange resin. Containing sulfonic acid, solid sulfate, equivalent. Uniform pore size, high mechanical strength. Mainly used for high-speed mixed bed water treatment.

Application

- High-speed mixed bed water treatment
- Recycling of precious metals
- Organic catalysis

Corresponding Brands

- Amberlite 200
- Lewatit Sp-210
- Purolite C150

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Appearance	Light brown opaque sphere
Ionic Form As Shipped	Na ⁺
Weight Exchange Capacity	≥4.80/4.35mmol/g
Volume Exchange Capacity	≥1.60/1.80mmol/ml
Specific Gravity	1.16~1.24/1.25~1.28g/ml
Shipping Weight	0.74~0.80/0.75~0.85g/ml
Moisture Retention	50%~60%/45%~55%
Particle Size Range	0.315~1.25mm
Effective Diameter	0.40~0.90mm
Uniformity Coefficient	≤1.40≤1.60
Sphere rate after abrasion	≥90%

Reference Operation Conditions

Maximum operating temperature	120°C
Resin filling height	1~3m
Operating velocity	2~10BV/h
Backwash velocity	4~10BV/h
Regeneration (desorption) velocity	1~2BV/h
Regeneration agent	2BV3~5%HCl 2BV2~4% NaOH

*Specifications and typical properties are listed for informational purposes only and not to be used as purchase specifications.