



**JIANGSU SUQING WATER TREATMENT
ENGINEERING GROUP CO.,LTD.**

**001 x 7 STRONG ACID CATION EXCHANGE RESIN,
GEL STRUCTURE**

1.0 Indexes of Physical and Chemical Properties:

Designation		001 x 7 Na
Total Exchange Capacity	meq/g	4.5 min
Volume Exchange Capacity	meq/ml	1.90 min
Water Retention	%	45-50
Bulk Density	g/ml	0.77-0.87
Specific Density	g/ml	1.25-1.29
Particle Size	mm	(0.4-1.25mm) ≥ 95%
Effect Size	mm	0.40-0.70
Homogeneous Coefficient	≤	1.6 max
Roundness after Attrition	%	90 min
Appearance		Light Yellow to Brown
Ionic Form Supplied:		Na

Reference Indexes for Operation:

PH Range :	0-14
Max. Operating Temp (°C) :	H ⁺ ≤ 100°C Na ⁺ ≤ 120°C
Total Reversible Swelling %:	(Na ⁺ → H ⁺) 8-10
Working Exchange Capacity:	25°C ≥ 900meq/l (wet)
Concentration of Regenerate Solution %:	NaCl: 8-10 ; HCl: 4-5
Consumption of Regenerate:	NaCl(8-10%) Vol.:Resin Vol.=1.5-2:1 HCl(4-5%) Vol.:Resin Vol.= 2-3:1
Flow Rate of Regenerate Solution:	4-6(m/hr)

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Regenerate Contact time :	30-60(minute)
Rinse Flow Rate:	10-20(m/hr)
Rinse Time (minute):	30 (approx.)
Operating Flow Rate:	10-45(m/hr)

3.0 Application:

Domestic gel type standard. Suitable for softening and demineralization.

4.0 Packing:

Each PE bag, net weight: 25L

The goods are of Chinese origin.

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