

**JIANGSU SUQING WATER TREATMENT
ENGINEERING GROUP CO.,LTD.**
**D113 POLYACRYLATE BASED MACROPOROUS TYPE
WEAK ACID CATION EXCHANGE RESIN**

1.0 Indexes of Physical and Chemical Properties:

Designation	D113
Volume Exchange Capacity meq/ml \geq	4.3
Water Retention %	45-55
Bulk Density g/ml	0.72-0.80
Specific Density g/ml	1.14-1.20
Particle Size mm	0.315-1.25mm
Shipping Weight (approx.) kg/l	0.77
Uniformity Coefficient \leq	1.7
Whole Beads after Attrition % \geq	95 min
Appearance	light yellow, Opaque
Ionic form supplied	H

2.0 Reference Indexes for Operation:

2.01 PH Range:	5-14
2.02 Max. Operating Temp (°C):	H \leq 100°C
2.03 Operation Exchange Capacity :	25°C \geq 2300mmol/l(wet)
2.04 Total Reversible Swelling %:	(H ⁺ →Na ⁺) \leq 65
2.05 Concentration of Regenerate Solution:	HCl: 2-4%
2.06 Consumption of Regenerate:	HCl(2-4%) Vol.: Resin Vol. = 2-3:1
2.07 Flow Rate of Regenerate Solution :	4-8(m/hr)
2.08 Regenerate Contact time:	30-45(minute)
2.09 Rinse Flow Rate :	20(m/hr)
2.10 Rinse Time (minute):	20-30 (approx)
2.11 Operating Flow Rate:	10-45(m/hr)

3.0 Application:

Excellent resistance to physical breakage, osmotic shock fracture and organic fouling. Suitable for softening and dealkalization.

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