

# Canature Resin Data Sheets



1. Operative Norm: Q/320221.NAN03-1997
2. Physical and chemical properties:

Index	Canature Resin
Full exchange capacity mmol/g $\geq$	4.40
Volume exchange capacity mmol/ml $\geq$	2.0
Water content %	43-48
Bulk density g/ml	0.78-0.88
Wet true density g/ml	1.26-1.30
Particle size %	(0.315-1.25mm) $\geq$ 95
	(<0.315mm) $\leq$ 1
Effective grain size mm	0.40-0.60
Coefficient of uniformity $\leq$	1.60
Sphericity after attrition % $\geq$	98
Appearance	golden yellow~dark brown spherical particle
Use	universal

### 3. Reference index while working:

1、PH range	1-14
2、Max. use temperature	H type $\leq$ 100°C; Na type $\leq$ 120°C
3、Deformation expansivity %	(Na <sup>+</sup> →H <sup>+</sup> )8-10
4、Work exchange capacity	25°C $\geq$ 1000 mmol/l (wet)
5、Regeneration liquid density:	NaCl: 8-10%; HCl: 4-5%
6、Regeneration liquid density dosage:	.
NaCl (8-10%)volume:	Resin volume=1.5-2:1
HCl (4-5%)volume:	Resin volume =2-3:1
7、Regeneration liquid flow:	4-6m/h
8、Regeneration touch time:	30-60 mins
9、Rinse flow:	10-20 m/h
10、Rinse time:	About 30 mins
11、Operation flow:	10-45 m/h