

# INDION® 225 Na

## Description

INDION 225 Na is a high capacity strongly acidic cation exchanger in bead form. It is based on cross linked polystyrene and has a gel structure. The resin contains sulphonic acid functional groups. It is supplied moist in the sodium form.

## Applications

INDION 225 Na is used most widely in sodium form for water softening application. It can be used also in two-stage de-ionising as the cation exchanger in the hydrogen cycle.

### Characteristics

Appearance	:	Golden yellow beads
Matrix	:	Styrene divinylbenzene copolymer
Functional Group	:	Sulphonic acid
Ionic form as supplied	:	Sodium
Total exchange capacity	:	2.0 meq/ml, minimum
Moisture holding capacity	:	43 - 50 %
Shipping weight *	:	830 kg/m <sup>3</sup> , approximately
Particle size range	:	0.3 to 1.2 mm
> 1.2 mm	:	5.0%, maximum
< 0.3 mm	:	1.0%, maximum
Uniformity co-efficient .	:	1.7, maximum
Effective size	:	0.45 to 0.55 mm
Operating pH range	:	0 to 14
Maximum operating temperature	:	140° C
Resistance to reducing agents	:	Good
Resistance to oxidizing agents	:	Generally good, chlorine should be absent

\* Weight of resin, as supplied, occupying 1 m<sup>3</sup> in a unit after backwashing and draining.