PURE RESIN PC003UN-NA

- **REF. RA312;**
- **Gel Strong Acid Cation Exchange Resin with high uniformity coefficient;**
- **high capacity premium grade bead form, conventional gel polystyrene sulphonate cation exchange resin supplied in the sodium or hydrogen form;**
- **intended for use in all water softening, dealcalisation, deionization and chemical processing applications, such as the following:**
    1. **in H form (PC003HUN), can be used in multiple and mixed bed demineralizers with strong base;**
    2. **anion exchangers such as Pure PA101, PA102 and PA103 in OH- form.**

- **well suited for industrial, commercial or residential softening applications because of its high capacity and good physical stability;**
- **D.M. n.174 dated 06/04/2004 compliant about materials suitable for contact with water for human consumption;**
- **NSF/ANSI 44&61 certified.**

Typical Physical & Chemical Characteristics	
Polymer Matrix Structure	Polystyrene crosslinked with 8% DVB
Functional Group	$R\text{-}(SO_3)^-M^+$
Ionic Form, as shipped	Na^+
Physical Form and Appearance	Clear Spherical Beads
Sphericity	95% min.
Screen Size Range US Standard Screen	25 ÷ 35 mesh, wet
Particle Size Range	0,5 ÷ 0,71 mm ≥ 95%
Uniformity Coefficient	1,15 max.
Water Retention, Na^+ form H^+ form	43 ÷ 48% 47 ÷ 54%
Swelling $Na^+ \rightarrow H^+$ $Ca^{2+} \rightarrow Na^+$	10% max. 5% max.
Shipping Weight, Na^+ form H^+ form	780 ÷ 880 g/l (51 lbs/cu.ft, approx.) 770 ÷ 870 g/l (50 lbs/cu.ft, approx.)
Total Exchange Capacity, Na^+ form H^+ form	2,0 eq/l min. 1,9 eq/l min.
pH Range	0 ÷ 14