

GC-003IND

Indicating Cation Exchange Resin

Product Description & Applications

G-ion GC-003IND is color changing, sulphonate cation exchange resin supplied in hydrogen form. During in the process of water softening, GC-003IND-1 color change from green to purple, GC-003IND-2 color change from purple to yellow. of its high capacity and good physical stability.



Typical Physical & Chemical Characteristics

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| Polymer Matrix Structure | Polystyrene crosslinked with 8% DVB |
| Functional Group | R-(SO ₃)-M ⁺ |
| Ionic Form, as shipped | Na ⁺ |
| Physical Form And Appearance | Clear Spherical Beads |
| Puerility | 95% min. |
| Screen Size Range-U.S. Standard Screen | 16-50 mesh, wet |
| Particle Size Range | 0.315-1.25mm |
| Uniformity Coefficient | 1.6 max. |
| Water Retention, Na ⁺ form | 50-56% |
| Swelling Na ⁺ H ⁺ → Ca ²⁺ → Na ⁺ | 10% max. 5% max. |
| Shipping Weight, Na ⁺ form | 780-880 g/l (51 lbs/cu.ft, approx.) |
| Total Exchange Capacity, Na ⁺ form | 1.9 eq/l min. |
| pH Range | 0-14 |