

GENERAL TECHNOLOGIES, SPC

- High-Quality Services & Products

Tel: 816-590-9641, Fax: 253-663-9333
Web: <http://gtspc.com>, Email: info@gtspc.com

CMGL-1 & CMGL-2 POLY-STYRENE-DIVINYLBENZENE CO-POLYMER BEADS

(Designed for use in water treatment or other applications)

Product Description

CMGL-1 and CMGL-2 are conventional gel type polystyrene-DVB, non-functionalized copolymer beads. These products are available in dry or moisturized forms.

These products can be used as adsorbent or inert materials in water treatment applications or chemical processing applications. They are also used as lubricant in oil fields.

Typical Physical, Chemical & Operating Characteristics

| | |
|------------------------------|---|
| Polymer Structure | Polystyrene 7% cross linked with Divinylbenzene |
| Physical Form and Appearance | White spherical beads |
| Whole Bead Count | 90% Min. |
| Ionic Form (as shipped) | N/A |
| Shipping Weight, approx. | 660-670 g/l (40 lb./ft. ³) |
| Mesh Size (U.S. Std) | CGML-1, 18-50 CGML-2, 18-100 |
| Moisture retention | Dry Form, <2% Wet Form, 7-12% |
| pH Range, Stability | 0-14 |

CHEMICAL AND THERMAL STABILITY

CGML-1 and CGML-2 co-polymer beads are insoluble in dilute or moderately concentrated acids, alkalies, and in all common solvents. However, exposure to >0.1 ppm of free chlorine, "hypochlorite" ions, or other strong oxidizing agents over long periods of time will eventually break down the crosslinking. Temperature over 30 °C (85 °F) will accelerate the oxidation. These products are thermally stable to higher than 150 °C (300 °F)