

GENERAL TECHNOLOGIES, SPC

- High-Quality Services & Products

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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 4% or 5% 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.	650-660 g/l (39 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)