



Graver Technologies

Product Specification

GRAVEX[®] GR-1-5 US DM (Cl) Strong Base Macroporous Anion Chloride

Spec No.	GTS-15-US-DM-Cl
Rev No.	0
Date	August 4, 2020

Properties

Physical Appearance

Matrix Structure

Functional Group

Ionic Form

Total Exchange Capacity, (eq/L)

Moisture Content, (%)

Particle Size

Particle Diameter, (μm)

$\geq 850 \mu\text{m}$, (%)

$< 425 \mu\text{m}$, (%)

Uniformity Coefficient

Whole Beads, %

Limits

White to light yellow opaque spherical beads

Styrene-divinylbenzene macroporous

Trimethyl ammonium, Type 1

Cl^-

≥ 1.1

45 - 65

500 - 700

≤ 3.0

≤ 1.0

≤ 1.2

$\geq 95\%$

Typical Properties

Swelling (Cl^- to OH^-)

$\leq 25\%$

Particle Density, g/mL

1.07 - 1.1

Bulk Density, (g/L)

650 - 730

Operating Temperature

100°C (212°F) max

pH Range

0-14