



Graver Technologies

## Product Specification

### GRAVEX® GR-2-5 US DM Uniform Size Hydrogen

Spec No.	GTS-25-US-DM
Rev No.	0
Date	December 22, 2020

#### Properties

Resin Type  
Functionality  
Matrix  
Physical Appearance  
Ionic Form  
Total Exchange Capacity, (eq/L)  
Water Retention Capacity, (%)  
Ionic Conversion, (%)  
Particle Size  
    Particle Diameter, ( $\mu\text{m}$ )  
     $\geq 850 \mu\text{m}$ , (%)  
     $< 300 \mu\text{m}$ , (%)  
    Uniformity Coefficient  
Whole Bead, %

#### Limits

Strongly Acidic Cation Exchange Resin  
Sulfonic Acid  
Styrene Divinylbenzene Macroporous  
Light grey to brown opaque spherical beads  
Hydrogen  
 $\geq 1.6$   
56 - 60  
 $\geq 99\%$  Hydrogen  
 $650 \pm 50$   
 $\leq 3.0$   
 $\leq 1.0$   
 $\leq 1.1$   
 $\geq 95$

#### Typical Properties

Swelling, % ( $\text{Na}^+$  to  $\text{H}^+$ ) ~ 8  
Particle Density, (g/mL) ~ 1.2  
Bulk Density, (g/L) 740 - 800, 755 typical  
Operating Temperature (max) 150°C  
pH Range 0 - 14