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# Potassium Carbonate Dry Product

## TECHNICAL INFORMATION

### General Properties of ARMAND PRODUCTS Brand Potassium Carbonate

Empirical Formula .....K<sub>2</sub>CO<sub>3</sub>  
CAS Number .....584 - 08 - 7  
Molecular Weight.....138.21  
Fire and Explosion Data .....Not combustible. No flash point.

### Dry Product Properties

Melting Point, Granular .....1636°F (891°C)  
Bulk Density .....Regular and Glass: 75 – 85 lb./cu. ft.  
Extra Fine: approximately 37 lb./cu. ft.  
Alkali Equivalent of 100% K<sub>2</sub>CO<sub>3</sub>.....68.16% K<sub>2</sub>O  
Acid to Neutralize 1 lb. K<sub>2</sub>CO<sub>3</sub>.....0.528 lb. pure HCl  
Solubility (in 100 grams of water).....112 grams K<sub>2</sub>CO<sub>3</sub> at 68°F (20°C)  
156 grams K<sub>2</sub>CO<sub>3</sub> at 212°F (100°C)  
Hygroscopicity (affinity for moisture)  
Regular, Glass and Food Grades.....Mildly hygroscopic  
Extra Fine Grade .....Significantly more hygroscopic.  
Approximate Particle Distribution  
Regular Grade .....- 18 mesh to + 80 mesh  
Glass and Food Grade .....- 26 mesh to + 80 mesh  
Extra Fine Grade .....80% through 325 mesh

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