

## **“410 Poultry Grit”**

Nominal size: 1.25 – 3.15 mm

**Production Facility:** Clearwater Quarry, Alberta

### **Description:**

Light grey high-purity ground limestone produced from limestone by quarrying, crushing, and screening operations. A sedimentary rock composed predominantly of calcium carbonate (CaCO<sub>3</sub>).

### **Typical Chemical Properties:**

	%
Calcium Carbonate (CaCO <sub>3</sub> ), (%)	94.5
Calcium (Ca)	37.2
Magnesium Carbonate (MgCO <sub>3</sub> )	2.0
Magnesium (Mg)	0.8
Silica (SiO <sub>2</sub> )	1.4
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.1
Alumina (Al <sub>2</sub> O <sub>3</sub> )	0.2
Manganese Oxide (MnO) (ppm)	< 50
Total Sulfur (S)	0.03
Loss on Ignition	43.3

### **Classical Reference Data:**

Specific Gravity (Pure Calcite)	2.84
Solubility in Water (25 °C), (mg/l)	13.62
pH (saturated solution (25 °C)	8 – 10
Crushing Strength (mPa)	7.9 – 198.4
Hardness (Mohs)	2.1 – 5.2
Specific Heat (38 °C) (cal/g. °C)	0.114
Dielectric Constant	8 – 12



## Typical Physical Properties:

Bulk Density: Loose/packed      1352 – 1496 kg/m<sup>3</sup> or 83 – 95 lb/ft<sup>3</sup>

## Size Distribution:

Sieve (mm)	Sieve (USA)*	% Passing
5.00	No. 4	100
4.00	No. 5	99
3.15	No. 6	90
2.50	No. 8	86
2.00	No. 10	55
1.60	No. 12	30
1.25	No. 16	5
0.160	No. 100	0.5

\* approximate USA mesh size corresponding to mm