



**Hubercarb® G3T**  
**CALCIUM CARBONATE**

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**DESCRIPTION**

A high purity, ultra-fine ground calcium carbonate produced from a high brightness marble deposit in Georgia for applications that require high brightness or pure tints. The particles are processed with a proprietary fatty acid based surface treatment which allow the material to be used as an extender in pipe, conduit, rubber, plastics and PVC compounds.

**TYPICAL PHYSICAL PROPERTIES**

Median Particle Size (Sedigraph®, μ)  
Brightness (Hunter reflectance)  
Oil Absorption (lbs oil / 100lbs, ASTM D281)  
Moisture (% , ASTM D280)  
Loose Bulk Density (lb/ft<sup>3</sup>, ASTM C110)  
Compacted Bulk Density (lb/ft<sup>3</sup>, ASTM C110)  
Acid Solubility (% in HCl)  
Hegman Grind

**G3T**

3.2  
95  
17  
0.2  
49  
61  
95 - 98.5  
6.0

**PARTICLE SIZE (SCREEN) ANALYSIS**

Mesh size  
+325 (45μm)

%  
0.005

**TYPICAL CHEMICAL ANALYSIS**

Calcium Carbonate  
Magnesium Carbonate  
Silica and Silicates  
Other

%  
96.0  
2.5  
0.4  
1.1

**MINERAL PROPERTIES**

Color  
Alkalinity (as NaOH, ASTM D1208)  
pH (ASTM D1208)  
Hardness (Hand. Of Chem. & Phy)  
Solubility (Hand. Of Chem. & Phy)  
Particle Shape (Microscope)  
Specific Gravity (ASTM D153)  
Refractive Index (Hand. Of Chem. & Phy)  
Weight per Gallon (s.g. x 8.345)  
Linear Expansion Coefficient (Hand. Of Chem. & Phy)

Marble Hill, GA  
White  
0.4 mg/gm  
9.4 (saturated solution)  
3 Mohs, relatively non-abrasive  
0.0035 gm/100 mL H<sub>2</sub>O at 100°C  
Irregular, uniaxial  
2.7  
1.6  
22.6 lbs/solid gallon  
4.3 x 10<sup>-6</sup>/°C

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