



**Hubercarb® G260**  
**CALCIUM CARBONATE**

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**DESCRIPTION**

A high purity, medium fine ground calcium carbonate produced from a high brightness marble deposit in Georgia. The G260 particle distribution offers a wide range of applications from carpet backing to cleansers, joint compounds to PVC flooring, concrete to oilfield drilling fluids where its low acid insoluble content is useful.

**TYPICAL PHYSICAL PROPERTIES**

Median Particle Size (Sedigraph®, μ)	<b>G260</b>
Brightness (Hunter reflectance)	22
Oil Absorption (lbs oil / 100lbs, ASTM D281)	93.5
Moisture (% , ASTM D280)	12
Water Demand (mL/100 gms)	0.2
Loose Bulk Density (lb/ft <sup>3</sup> , ASTM C110)	38
Compacted Bulk Density (lb/ft <sup>3</sup> , ASTM C110)	58
Acid Solubility (% in HCl)	82
	95 - 98.5

**PARTICLE SIZE (SCREEN) ANALYSIS**

Mesh size	<u>        </u> %
-325 (45μm)	90

**TYPICAL CHEMICAL ANALYSIS**

Calcium Carbonate	<u>        </u> %
Magnesium Carbonate	96.0
Silica and Silicates	2.5
Other	0.4
	1.1

**MINERAL PROPERTIES**

Color	Marble Hill, GA
Alkalinity (as NaOH, ASTM D1208)	White
pH (ASTM D1208)	0.4 mg/gm
Hardness (Hand. Of Chem. & Phy)	9.4 (saturated solution)
Solubility (Hand. Of Chem. & Phy)	3 Mohs, relatively non-abrasive
Particle Shape (Microscope)	0.0035 gm/100 mL H <sub>2</sub> O at 100°C
Specific Gravity (ASTM D153)	Irregular, uniaxial
Refractive Index (Hand. Of Chem. & Phy)	2.7
Weight per Gallon (s.g. x 8.345)	1.6
Linear Expansion Coefficient (Hand. Of Chem. & Phy)	22.6 lbs/solid gallon
	4.3 x 10 <sup>-6</sup> /°C

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