



Hubercarb® G2T
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)	G2T 2.0
Brightness (Hunter reflectance)	95
Oil Absorption (lbs oil / 100lbs, ASTM D281)	17
Moisture (% , ASTM D280)	0.2
Loose Bulk Density (lb/ft ³ , ASTM C110)	39
Compacted Bulk Density (lb/ft ³ , ASTM C110)	55
Acid Solubility (% in HCl)	95 - 98.5
Hegman Grind	6.5

PARTICLE SIZE (SCREEN) ANALYSIS

Mesh size	%
+325 (45μm)	<u>0.005</u>

TYPICAL CHEMICAL ANALYSIS

Calcium Carbonate	%
Magnesium Carbonate	<u>96.0</u>
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 ₂ 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 ⁻⁶ /°C

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