



Hubercarb® G2
CALCIUM CARBONATE

Cumberland Center II
3100 Cumberland Blvd
Suite 600
Atlanta, GA 30339
phone: (678) 247-7300
fax: (678) 247-2797
e-mail: hubermaterials@huber.com
www.hubermaterials.com

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. Carefully controlled particle distribution allows G2 to be used in paints, coatings, PVC compounds, rubbers, plastics, and drilling fluids.

TYPICAL PHYSICAL PROPERTIES

Median Particle Size (Sedigraph®, μ)	G2 2
Brightness (Hunter reflectance)	95
Oil Absorption (lbs oil / 100lbs, ASTM D281)	19
Moisture (% , ASTM D280)	0.2
Water Demand (ml/100g)	69
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	<u> </u> %
+325 (45μm)	0.005

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

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