



Hubercarb® G6
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, 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 the material to be used in a wide range of applications including paints, coatings, PVC compounds, rubber and plastics.

TYPICAL PHYSICAL PROPERTIES

	G6
Median Particle Size (Sedigraph®, μ)	5.5
Brightness (Hunter reflectance)	94
Oil Absorption (lbs oil / 100lbs, ASTM D281)	15
Moisture (% , ASTM D280)	0.2
Water Demand (mL/100 gms)	45
Loose Bulk Density (lb/ft ³ , ASTM C110)	51
Compacted Bulk Density (lb/ft ³ , ASTM C110)	85
Acid Solubility (% in HCl)	95 - 98.5
Hegman Grind (ASTM D1210)	5.0

PARTICLE SIZE (SCREEN) ANALYSIS

	%
Mesh size	<u> </u>
+325 (45μm)	0.05

TYPICAL CHEMICAL ANALYSIS

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