



Hubercarb® G35
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. Carefully controlled particle distribution allows the material to be used in a wide range of applications including paints, coatings, PVC pipe, rubber, plastics, and construction building products.

TYPICAL PHYSICAL PROPERTIES

Median Particle Size (Sedigraph®, μ)
Brightness (Hunter reflectance)
Oil Absorption (lbs oil / 100lbs, ASTM D281)
Moisture (% , ASTM D280)
Water Demand (ml/100g)
Loose Bulk Density (lb/ft³, ASTM C110)
Compacted Bulk Density (lb/ft³, ASTM C110)
Acid Solubility (% in HCl)
Hegman Grind

G35

3.2
95
18.5
0.2
58
51
63
95 - 98.5
6

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 H₂O at 100°C
Irregular, uniaxial
2.7
1.6
22.6 lbs/solid gallon
4.3 x 10⁻⁶/°C

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