



Geotex® 40-200
CALCIUM CARBONATE

DESCRIPTION

A high purity, granular calcium carbonate produced from a high brightness marble deposit in Georgia with a controlled particle distribution. The controlled particle distribution allows G40-200 to be used as a texturizing agent, in plaster, EIFS, in abrasives, PVC flooring, and oilfield drilling fluids where its low acid insoluble content is useful.

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TYPICAL PHYSICAL PROPERTIES

Median Particle Size (μ)
Moisture (% , ASTM D280)
Loose Bulk Density (lb/ft³ , ASTM C110)
Compacted Bulk Density (lb/ft³ , ASTM C110)
Acid Solubility (% in HCl)

Geotex 40-200

184
0.2
87
108
95 - 98.5

PARTICLE SIZE (SCREEN) ANALYSIS

Mesh size
+ 40
- 200

%
5
12

TYPICAL CHEMICAL ANALYSIS

Calcium Carbonate
Magnesium Carbonate
Silica and Silicates
Other

%
96.0
2.5
0.4
1.5

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, Georgia
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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