



**Geotex® 30-50**  
**CALCIUM CARBONATE**

**DESCRIPTION**

A high purity, granular calcium carbonate produced from a high brightness marble deposit in Georgia with a controlled particle distribution. In applications needing high brightness material such as plaster and stuccos, Geotex has outstanding performance. The marble crystal structure is useful in recirculation drilling fluids.

**TYPICAL PHYSICAL PROPERTIES**

Median Particle Size ( $\mu$ )  
Moisture (% , ASTM D280)  
Loose Bulk Density (lb/ft<sup>3</sup>, ASTM C110)  
Compacted Bulk Density (lb/ft<sup>3</sup>, ASTM C110)  
Acid Solubility (% in HCl)

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**Geotex 30-50**

415  
0.2  
95  
105  
95 - 98.5

**PARTICLE SIZE (SCREEN) ANALYSIS**

Mesh size	<u>        </u> %
+ 30	2
- 50	20

**TYPICAL CHEMICAL ANALYSIS**

Calcium Carbonate	<u>        </u> %
Magnesium Carbonate	96.0
Silica and Silicates	2.5
Other	0.4
	1.5

**MINERAL PROPERTIES**

Color	Marble Hill, Georgia
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 <sub>2</sub> 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 <sup>-6</sup> /°C

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