



## Hubercarb® G70 CALCIUM CARBONATE

### DESCRIPTION

A high purity, medium 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 applications including carpet backing.

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### TYPICAL PHYSICAL PROPERTIES

Median Particle Size (Cilas®, μ)	<b>G70</b>
Moisture (% , ASTM D280)	38
Dry Brightness (Hunter L)	0.2
Loose Bulk Density (lb/ft <sup>3</sup> , ASTM C110)	88.0
Compacted Bulk Density (lb/ft <sup>3</sup> , ASTM C110)	68
Acid Solubility (% in HCl)	100
	95 - 98.5

### PARTICLE SIZE (SCREEN) ANALYSIS

Mesh size	%
-200	89
-325	71

### TYPICAL CHEMICAL ANALYSIS

Calcium Carbonate	%
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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