



**Hubercarb® M6**  
**CALCIUM CARBONATE**

**DESCRIPTION**

A fine ground calcium carbonate produced from a uniform, high calcium limestone deposit in Marble Falls, Texas. Carefully controlled particle distribution allows M6 to be used a wide range of applications including paints, coatings, adhesives, caulks, and oilfield drilling fluids.

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**TYPICAL PHYSICAL PROPERTIES**

Median Particle Size (Sedigraph®, μ)  
Brightness (Hunter reflectance)  
Oil Absorption (lbs oil/ 100 lbs, ASTM D281)  
Moisture (% , ASTM D280)  
Water Demand (ml/ 100 g)  
Loose Bulk Density (lb/ft<sup>3</sup>, ASTM C110)  
Compacted Bulk Density (lb/ft<sup>3</sup>, ASTM C110)  
Acid Solubility (% in HCl)  
Hegman Grind (ASTM D1210)

**M6**  

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5  
85  
16  
0.15  
45  
45  
65  
92  
4.5

**PARTICLE SIZE (SCREEN) ANALYSIS**

Mesh size  
+325 (45μm)

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%  

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0.01

**TYPICAL CHEMICAL ANALYSIS**

Calcium Carbonate  
Magnesium Carbonate  
Silica and Silicates  
Other

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%  

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92.0  
1.5  
4.5  
2.0

**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 Falls, Texas  
White  
0.4 mg/gm  
9.4 (saturated solution)  
3 Mohs, relatively non-abrasive  
0.0035 gm/100 mL H<sub>2</sub>O at 100°C  
Irregular, uniaxial  
2.7  
1.6  
22.6 lbs/solid gallon  
4.3 x 10<sup>-6</sup>/°C

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