



Hubercarb® M70
CALCIUM CARBONATE

DESCRIPTION

A medium fine ground calcium carbonate produced from a uniform, high calcium limestone deposit in Marble Falls, Texas. The M70 particle distribution is used in applications as a carrier in agricultural products, a high loading filler in traffic paint, and oilfield drilling fluids where its low acid insoluble content is useful.

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TYPICAL PHYSICAL PROPERTIES

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

M70

18
80
11
0.1
34
65
90
92

PARTICLE SIZE (SCREEN) ANALYSIS

Mesh size
+60
-100
- 200

 %
2
90
75

TYPICAL CHEMICAL ANALYSIS

Calcium Carbonate
Magnesium Carbonate
Silica and Silicates
Other

 %
92.0
1.5
4.5
2

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 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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