



Hubercarb® Q12-40
CALCIUM CARBONATE

DESCRIPTION

A granular calcium carbonate produced at Huber's Quincy, Illinois plant which is known for its natural uniformity producing consistent purity and brightness. The controlled particle distribution allows the material to be used as a carrier in agricultural products, and oilfield drilling fluids where its low acid insoluble content is useful.

Cumberland Center II
3100 Cumberland Blvd
Suite 600
Atlanta, GA 30339
phone: (678) 247-7300
fax: (678) 247-2797
e-mail: hubermaterials@huber.com
www.hubermaterials.com

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)

Q12-40

799
0.1
90
100
98.5 - 99

PARTICLE SIZE (SCREEN) ANALYSIS

Mesh size
+ 12
- 40

%
5
7

TYPICAL CHEMICAL ANALYSIS

Calcium Carbonate
Magnesium Carbonate
Silica and Silicates
Other

%
96.5
2
1
0.5

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)

Quincy, Illinois
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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