



Hubercarb® Q40-200
CALCIUM CARBONATE

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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 Q40-200 to be used as a texturizing agent, in plaster, EIFS, in abrasives, PVC flooring, and oilfield drilling fluids where its low acid insoluble content is useful.

TYPICAL PHYSICAL PROPERTIES

Median Particle Size (μ)	Q40-200
Moisture (% , ASTM D280)	223
Loose Bulk Density (lb/ft ³ , ASTM C110)	0.1
Compacted Bulk Density (lb/ft ³ , ASTM C110)	85
Acid Solubility (% in HCl)	98
	98.5 - 99

PARTICLE SIZE (SCREEN) ANALYSIS

Mesh size	%
+ 40	<u>3</u>
- 200	6

TYPICAL CHEMICAL ANALYSIS

Calcium Carbonate	%
Magnesium Carbonate	<u>96.5</u>
Silica and Silicates	2
Other	1
	0.5

MINERAL PROPERTIES

Color	Quincy, Illinois
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 ₂ 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 ⁻⁶ /°C

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