



Hubercarb® Q60
CALCIUM CARBONATE

DESCRIPTION

A medium fine ground calcium carbonate produced at Huber's Quincy, Illinois plant which is known for its natural uniformity producing consistent purity and brightness. The Q100 particle distribution is used in applications to control mine dust, as a mild abrasive, flue gas desulfurization, traffic paints, and oilfield drilling fluids where its low acid insoluble content is useful.

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TYPICAL PHYSICAL PROPERTIES

Median Particle Size (Cilas®, μ)	Q60
Brightness (Hunter reflectance)	20
Oil Absorption (lbs oil / 100lbs, ASTM D281)	78
Moisture (% , ASTM D280)	12
Loose Bulk Density (lb/ft ³ , ASTM C110)	0.1
Compacted Bulk Density (lb/ft ³ , ASTM C110)	55
Acid Solubility (% in HCl)	95
	98.5 - 99

PARTICLE SIZE (SCREEN) ANALYSIS

Mesh size	<u>%</u>
+60	0.4
-100	96.5
- 200	78

TYPICAL CHEMICAL ANALYSIS

Calcium Carbonate	<u>%</u>
Magnesium Carbonate	96.5
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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