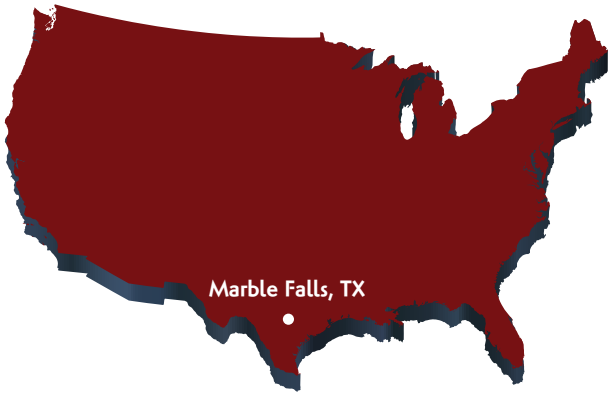
HUBER ENGINEERED MATERIALS

Hubercarb® M Series Calcium Carbonate Products

MARBLE FALLS, TX



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The Hubercarb® M Series

Consistent Particle Size And Purity

Huber's M Series Calcium Carbonate is mined from a uniform deposit of high calcium limestone in Marble Falls, Texas. Products include ultra-fine, fine and medium-fine sizes. Select products have been surface-modified to enhance end-use performance.

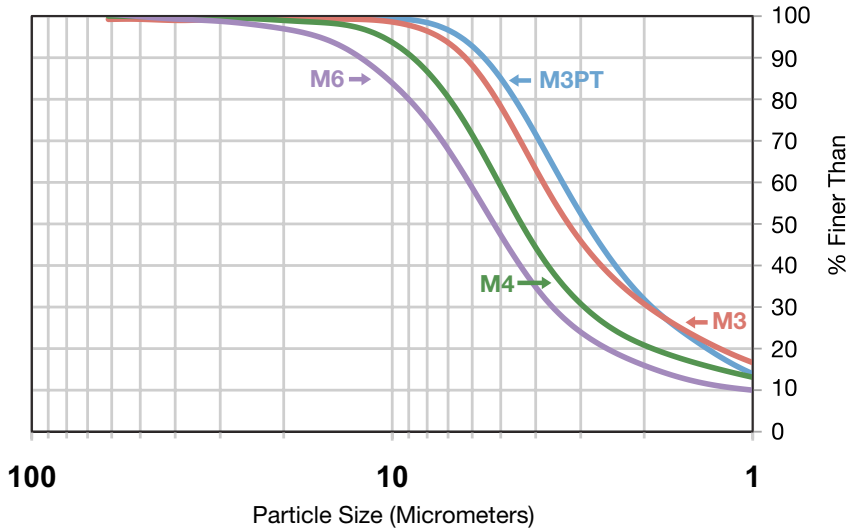
Our Key Ingredient: Quality

At Huber Carbonates, LLC, quality is the key ingredient in all of our products. Our processes are certified to ISO standards and when combined with Six Sigma® tools, you are ensured consistent, high-performance products time after time.

Typical Physical Properties — Ultra-Fine and Fine Products

Hubercarb® M Series	M3PT	M3	M3T	M4	M6
Surface Treatment	Treated		Treated		
Median Particle Size (μ, SediGraph®)	3	3.3	3.3	4.5	5
Dry Brightness (Hunter Reflectance)	87	87	87	86	85
Oil Absorption (lbs oil/100 lbs, ASTM D-281)	15	17	15	17	16
Moisture (%, ASTM D-280)	0.2	0.2	0.2	0.2	0.15
Water Demand (ml/100 gms)		50		45	45
Loose Bulk Density (lbs/ft³, ASTM C-110)	42	40	40	40	45
Compacted Bulk Density (lbs/ft³, ASTM C-110)	74	60	60	60	65
325 Mesh Residue (max, %)	0.01	0.01	0.01	0.01	0.01
Hegman Grind (ASTM D-1210)	6.5	6.5	6.5	5.5	4.5

Particle Size Distribution — SediGraph® Method



CALCIUM CARBONATE

Typical Physical Properties — Medium-Fine Products

Hubercarb® M Series	M300	M200	M70
Median Particle Size (µ, LLS-CILAS®)	8	15	18
Dry Brightness (Hunter Reflectance)	84	83	80
Oil Absorption (lbs oil/100 lbs, ASTM D-281)	13	12	11
Moisture (%, ASTM D-280)	0.1	0.1	0.1
Water Demand (ml/100 gms)	44	37	34
Loose Bulk Density (lbs/ft^3, ASTM C-110)	50	60	65
Compacted Bulk Density (lbs/ft^3, ASTM C-110)	65	80	90

Particle Size (Screen) Analysis

Mesh Size	M300	M200	M70
-20			100
-40			99.8
-60	100	100	98
-100	99.9	99.9	90
-200	99	98.5	75
-325	98	84	60

We look forward to providing you with the highest quality products along with superior technical service support and customer care.

Hubercarb® M Series Calcium Carbonate Products

Typical Chemical Analysis

Chemical	Percent
Calcium Carbonate	92.0%
Magnesium Carbonate	1.5%
Silicas and Silicates	4.5%
Other	2.0%

Other Typical Properties

Color	White
Alkalinity (as NaOH, ASTM D-1208)	0.4 mg/gm
pH (ASTM D-1208)	9.4 (saturated solution)
Hardness (Handbook of Chemistry and Physics)	3 Mohs, relatively non-abrasive
Solubility (Handbook of Chemistry and Physics)	0.0035 gm/100 ml H_2O at 100°C
Particle Shape (Microscope)	Irregular, uniaxial
Specific Gravity (ASTM D-153)	2.7
Refractive Index (Handbook of Chemistry and Physics)	1.6
Weight/Solid Gallon (s.g. x 8.345)	22.6 lbs/solid gallon (0.0443 solid gallons/pound)
Linear Expansion Coefficient (Handbook of Chemistry and Physics)	4.3 x 10^{-6}/°C

M Series Products

- Hubercarb® M3PT
- Hubercarb® M3
- Hubercarb® M3T
- Hubercarb® M4
- Hubercarb® M6
- Hubercarb® M300
- Hubercarb® M200
- Hubercarb® M70

Plant Location

Huber Carbonates, LLC
90 Avenue N
Marble Falls, TX 78654

Applications

- Paints and Coatings
- PVC Pipe
- Traffic Paint
- Thermoplastic Compounding
- Polyolefin Film
- Joint Compound
- Drilling Fluids
- Caulks and Sealants
- Adhesives
- Ceramics
- Rice Polishing
- Asphalt Products
- Pesticides
- Concrete Products

Other Products

- Hubercarb® G Series Calcium Carbonate
- Hubercarb® Q Series Calcium Carbonate
- Hubercarb® W Series Calcium Carbonate

Additional Products Available From

Marble Hill, Georgia
Quincy, Illinois

MARBLE FALLS, TX

HUBER ENGINEERED MATERIALS

For more information or to order samples, contact us:

1-866-JMHUBER (1-866-564-8237)
www.hubermaterials.com/cc
Email: hubermaterials@huber.com

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