

# HUBERCARB<sup>®</sup> M SERIES

## CALCIUM CARBONATE PRODUCTS

# MARBLE FALLS, TX

### **CONSISTENT PARTICLE SIZE AND PURITY**

Huber Engineered Materials' M Series calcium carbonate is mined from a uniform deposit of high calcium limestone. The products range in particle size from coarse to fine and several of these products have been surface modified to enhance end use performance.

### **OUR QUALITY FOR YOUR QUALITY**

At Huber, quality is an important ingredient in all of our products. Our processes are certified to ISO standards and when combined with Six Sigma<sup>®</sup> tools, you are ensured consistent, high performance products time after time.

The Hubercarb M Series is only part of the entire Huber family of solutions. Other products include Alumina Trihydrate (ATH), Barium Sulfate, Magnesium Hydroxide (MDH), Silica and Silicates.

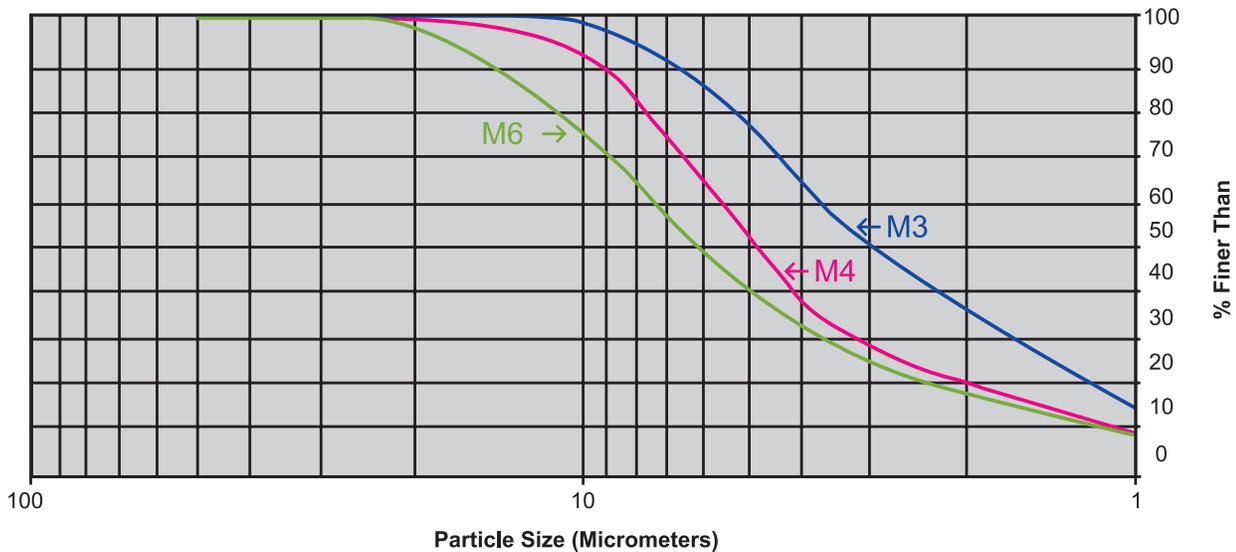


# HUBERCARB® M SERIES FINE PRODUCTS

## TYPICAL PHYSICAL PROPERTIES

Hubercarb® M Series	M3	M3T	M4	M6
Surface Treatment		Treated		
Median Particle Size (microns, Sedigraph)	3.3	3.3	4.5	5
Dry Brightness (Hunter Reflectance)	89	89	88	87
Oil Absorption (lbs oil/100 lbs., ASTM D-281)	17	15	17	16
Moisture (% , ASTM D-280)	0.2	0.2	0.2	0.15
Water Demand (ml/100 gms)	50		45	45
Loose Bulk Density (lbs/ft <sup>3</sup> , ASTM C-110)	40	40	40	45
Compacted Bulk Density (lbs/ft <sup>3</sup> , ASTM C-110)	60	60	60	65
Weight Per Gallon (lbs/solid gallon)	22.6	22.6	22.6	22.6
325 Mesh Residue	0.01	0.01	0.01	0.01
Hegman Grind (ASTM D-1210)	6.5	6.5	5.5	4.5

## PARTICLE SIZE DISTRIBUTION (P.M.D. Sedigraph Method)



# HUBERCARB® M SERIES MEDIUM-FINE PRODUCTS

## TYPICAL PHYSICAL PROPERTIES

Hubercarb® M Series	M300	M200	M70
Median Particle Size, (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 <sup>3</sup> , ASTM C-110)	50	60	65
Compacted Bulk Density (lbs/ft <sup>3</sup> , 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  
and service.**



# HUBERCARB® M SERIES CALCIUM CARBONATE

## TYPICAL CHEMICAL ANALYSIS

Calcium Carbonate	92.0%
Magnesium Carbonate	1.5%
Silica and Silicates	4.5%
Other	2.0%

## OTHER PROPERTIES

Color	White
Alkalinity (as NaOH, ASTM D-1208)	0.4 mg/gm
pH (ASTM D-1208)	9.4 (saturated solution)
Hardness (Hand. Of Chem. & Phy.)	3 Mohs, relatively non-abrasive
Solubility (Hand. Of Chem. & Phy.)	0.0035 gm/100 ml H <sub>2</sub> O at 100°C
Particle Shape (Microscope)	Irregular, uniaxial
Specific Gravity (ASTM D-153)	2.7
Refractive Index (Hand. Of Chem. & Phy.)	1.6
Weight/Solid Gallon (s.g. x 8.345)	22.6 lbs/solid gallon (0.0443 solid gallons/pound)
Linear Expansion Coefficient (Hand. Of Chem. & Phy.)	4.3 x 10 <sup>-6</sup> /°C

## PRODUCT LISTING

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

## ADDITIONAL PRODUCTS AVAILABLE FROM

Marble Hill, GA  
Quincy, IL

## APPLICATIONS

- Paint and Coatings
- PVC Pipe
- Traffic Paint
- Thermoplastic Compounding
- Joint Compound
- Drilling Fluid
- Caulk and Sealants
- Adhesives
- Ceramics
- Rice Polishing
- Asphalt Products
- Pesticides

## OTHER PRODUCTS

G Series  
Q Series  
W Series  
Huberbrite® Barium Sulfate

## PLANT LOCATION

J.M. Huber Corporation  
90 Avenue N  
Marble Falls, TX 78654



HUBER ENGINEERED MATERIALS

For more information or to order samples, contact us:

**1-866-564-8237**

[www.hubermaterials.com](http://www.hubermaterials.com)

**Email: [hubermaterials@huber.com](mailto:hubermaterials@huber.com)**

**CORPORATE HEADQUARTERS**  
Huber Engineered Materials  
1000 Parkwood Circle, Suite 1000  
Atlanta, GA 30339

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MARBLE FALLS, TX