

## **Magnum Fill™SDL**

## Precipitated Calcium Carbonate

Discovering what's possible with calcium

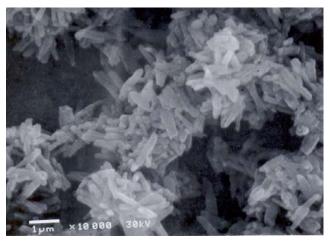
## PRODUCT DESCRIPTION

Magnum Fill<sup>TM</sup> SDL is a light density, high brightness precipitated calcium carbonate designed as a functional filler for the coatings market. With its high oil absorption Magnum Fill<sup>TM</sup> SDL is a versatile pigment for  $TiO_2$  extension in coating applications.

| TYPICAL PHYSICAL<br>Properties           |                       |  |  |  |  |
|--|-----------------------|--|--|--|--|
| Form                                     | Dry Powder            |  |  |  |  |
| Crystal Type                             | Acicular<br>Aragonite |  |  |  |  |
| Median Particle Size<br>(Sedigraph)      | 1.25 µm               |  |  |  |  |
| Surface Area (BET)                       | 9.5 m²/g              |  |  |  |  |
| Dry Brightness (GE)                      | 97.0                  |  |  |  |  |
| Oil Absorption (Rub Out)<br>(ASTM D-281) | 60                    |  |  |  |  |
| Residue (+325 mesh)                      | 0.01%                 |  |  |  |  |
| Refractive Index                         | 1.68                  |  |  |  |  |
| Specific Gravity                         | 2.85                  |  |  |  |  |
| Einlehner Abrasion                       | 5.0 mg                |  |  |  |  |
| рН                                       | 9.5                   |  |  |  |  |

| TYPICAL CHEMICAL PROPERTIES      |       |  |  |  |
|----------------------------------|-------|--|--|--|
| CaCO <sub>3</sub>                | 98.6% |  |  |  |
| Fe <sub>2</sub> O <sub>3</sub>   | 0.05% |  |  |  |
| Crystalline Silica               | <0.1% |  |  |  |
| Moisture (Free H <sub>2</sub> O) | 0.5%  |  |  |  |

| I                   | PARTICLE SIZE DISTRIBUTION     |  |     |  |  |  |  |
|---------------------|--------------------------------|--|-----|--|--|--|--|
|                     | 100 -                          |  |     |  |  |  |  |
| %) s:               | 80 -                           |  |     |  |  |  |  |
| Mas                 | 60 -                           |  |     |  |  |  |  |
| tive                | 40 -                           |  |     |  |  |  |  |
| Cumulative Mass (%) | 20 -                           |  |     |  |  |  |  |
| 75                  | 0 -                            |  |     |  |  |  |  |
|                     | 100 10 1 0.<br><b>ESD (μm)</b> |  | 0.1 |  |  |  |  |
|                     | E3D (μπι)                      |  |     |  |  |  |  |





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