

CALCIFIN[®] PRODUCTS

Product Properties

CALCIFIN is crystalline calcium carbonate based on pure natural material. **CALCIFIN** comprises fine white calcium carbonates of German origin, based on Jurassic rock. **CALCIFIN** leads to 'warm natural' colors in the final product and is used already in a lot of new developments of state-of-the-art sustainable products of our daily life.

SMOOTHNESS AND CLASSICAL ELEGANCE

Key Benefits at a glance

- Natural calcium carbonate
- Creates warm natural colors
- Sustainable end ecological products
- Cost saving
- Exact top cut
- Widens application area
- Excellent surface of end products



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CALCIFIN® PRODUCTS

Introduction

CALCIFIN product family is based on natural crystalline calcium carbonate (calcite) of high chemical purity that is produced by modern particle sizing and classification processes. The raw mineral originates from the Malm-Epsilon-layer of the upper Jura formation and has a trigonal crystal structure. Due to the precise top cut, the products manufactured with **CALCIFIN**, especially those used in the plastics and rubber industry, show excellent surface.

Chemical and Physical Data

| Product | D50 [µm] | Sieve residue [%] | Whiteness Ry | Moisture [%] | Bulk density (untamped) [g/ml] | Coated |
|----------------------|----------|-------------------|--------------|--------------|--------------------------------|--------|
| CALCIFIN 20 K | 4 | 45 µm < 0.01 | 90 | < 0.2 | 0.8 | - |
| CALCIFIN 20 H | 4 | 45 µm < 0.01 | 90 | < 0.2 | 0.8 | + |
| CALCIFIN 45 K | 5 | 90 µm < 0.5 | 88 | < 0.2 | 0.8 | - |
| CALCIFIN 60 K | 6 | 63 µm < 1.0 | 80 | < 0.15 | 1.0 | - |

Application examples

Rubber articles:

- Cost reduction
- Mechanical stability
- Constant quality with stable PSD

Plastics:

- High quality compounds
- Excellent surface

Paints:

- Natural coloring without pigment addition
- Excellent rheological properties
- Low abrasion values



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