

FEATURES

- ▶ Narrow particle size distribution
- ▶ Nano particle size
- ▶ Process controlled top size
- ▶ Meets requirements of BP, EP, and USP

BENEFITS

- ▶ Minimize impact modifier loading
- ▶ Reduced process aid loading for overall reduced cost

CALOFORT® U

Precipitated Calcium Carbonate

Product Description

CALOFORT® U precipitated calcium carbonate (PCC) is manufactured at Specialty Minerals Lifford plant in the UK. CALOFORT® U is a white microcrystalline powder, characterized by high surface area, controlled particle shape and high whiteness. CALOFORT® U is suitable for both industrial and consumer applications.

INDUSTRIAL APPLICATIONS:

The high surface area and rheological structure-building ability of CALOFORT® U PCC makes it a versatile functional filler. Its hydrophilic nature makes it particularly suitable for use in water based systems though it is also compatible with many polymer and solvent-based systems.

CALOFORT® U PCC is used alongside the coated CALOFORT® grades, to control rheology in sealant systems such as those based on butyl or polysulphide polymer when high shear dispersion is available.

The regular particle shape of CALOFORT® U PCC makes it suitable for use in gravure inks where its low abrasion is an added benefit compared to other fillers.

Other industrial uses of CALOFORT® U include:

- Rubber reinforcement
- Carrier for catalysts, peroxides, fragrances
- Detackification of thin film natural rubber
- Powder flow control additive

CONSUMER APPLICATIONS:

CALOFORT® U meets the requirements of the British, European and United States Pharmacopoeia and is an excellent source of calcium in foods and beverages and as an excipient in pharmaceutical applications. Specifications and required properties should be clearly communicated at time of order placement to ensure all testing is met.

Typical Physical Properties*

| | |
|--|-----------|
| +45µ BS sieve residue | <0.1% |
| Loss on Drying (at time of testing, @200°C for 4hrs.) | 1.0 % max |
| Surface Area (m ² /gram) | 17-29 |
| Dry Brightness (Minolta Y) | 98.5 |
| Morphology | Prismatic |
| Primary Particle Size (nm) Bulk | 70 |
| Density (g/ml) | 0.25 |
| Tap Density (g/ml) | 0.42 |

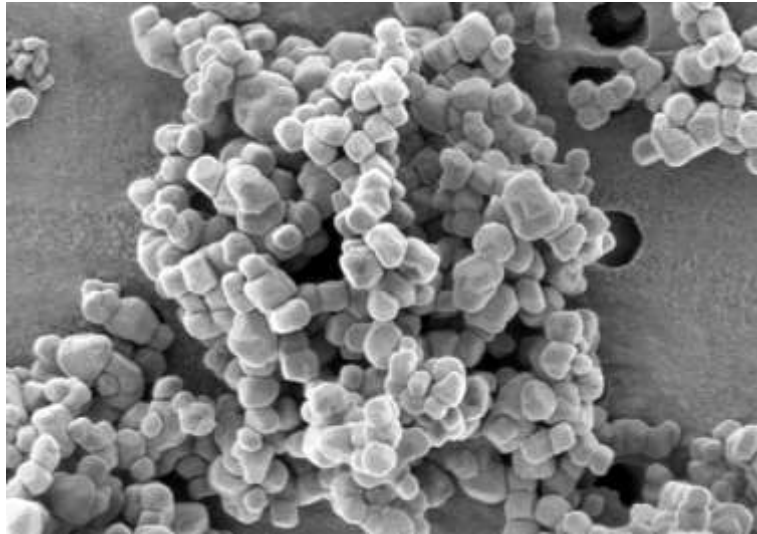
Chemical Properties

| | |
|-------------------|-------|
| Calcium Carbonate | 98% |
| Moisture | <0.5% |

*Values listed are typical, not to be considered as specifications of the product.

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SHIPPING INFORMATION

CALOFORT U precipitated calcium carbonate ships from Birmingham, UK.

Product is available in 25kg. bags, big bags (FIBC), and bulk.

For availability and minimum order quantity, contact customer service.

SALES OFFICES

Lifford, UK
0044-121-252-4500

Bethlehem, PA
001-800-801-1031

www.mineralstech.com

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