

## FEATURES

- ▶ Narrow Particle Size Distribution
- ▶ Ultrafine Particle Size
- ▶ Process Controlled Top Size
- ▶ Surface Treated for Improved Dispersion

## BENEFITS

### Sealants & Inks

- ▶ Builds true thixotropic, shear-thinning structure in polymer systems
- ▶ Improved sag and slump
- ▶ Improved yield value, viscosity and thixotropy
- ▶ Improved adhesion

### Polymer & Rubber

- ▶ Improved impact strength
- ▶ Higher gloss vs other fillers
- ▶ Minimize impact modifier loading
- ▶ Reduced process aid, lower total formulation cost

# CALOFORT®

## Precipitated Calcium Carbonate

### Product Description

CALOFORT® ultrafine precipitated calcium carbonate (pcc) products are manufactured at the Specialty Minerals Lifford plant in the UK. These stearate coated white microcrystalline powders are characterized by high surface area, controlled particle shape, and high whiteness and are commonly used to modify rheology and reinforce in a variety of polymer systems.

CALOFORT SM provides slump resistance and viscosity control in Polyurethane, Polysulphide, and other polymer based sealant systems.

CALOFORT SV is used in PVC plastisols, Modified Silicone Polymer, Silicone, 2K Polyurethane, Polysulphide and other sealant formulations where higher sag and slump resistance, high strength and elongation, and high viscosity control are required. CALOFORT SV is also used in high quality printing inks to improve rheological properties.

CALOFORT S provides improved properties to a number of applications including:

- Rigid PVC; to increase impact strength, improve surface gloss and whiteness
- Plasticised PVC; providing excellent scuff resistance and improved surface properties
- Rubbers; for reinforcement properties and hot tear strength
- Solvent based Paints and Primers; as an antissettling filler
- Polyester Moulding Compounds; as a reinforcing filler
- Plastic Compounds; as a carrier for additives

### Typical Physical Properties

|   | CALOFORT SM | CALOFORT SV | CALOFORT S |
|---|-------------|-------------|------------|
| +45 $\mu$ BS sieve residue (%)              | 0.3 max     | 0.3 max     | 0.3 max    |
| Loss on Drying<br>(@105°C for 2hrs.)        | 0.5 max     | 0.5 max     | 1.0 max    |
| Coating Level, %                            | 2.7-3.3     | 2.7-3.3     | 2.7-3.3    |
| Surface Area (m <sup>2</sup> /gram)         | 19-25       | 19-25       | 17-25      |
| Brightness (Hunter Y)                       | 97.6        | 97.6        | 97.6       |
| Yield stress<br>in DOP/desiccant system dPa | 500-1100    | 1500-2200   | --         |
| Primary Particle Size (nm)                  | 70          | 70          | 70         |
| Bulk Density (g/ml)                         | 0.25        | 0.20        | 0.25       |
| Tap Density (g/ml)                          | 0.38        | 0.30        | 0.38       |

\*\* Values listed are typical, not to be considered as specifications.

▶ GCC

▶ Talc

▶ Specialty PCC



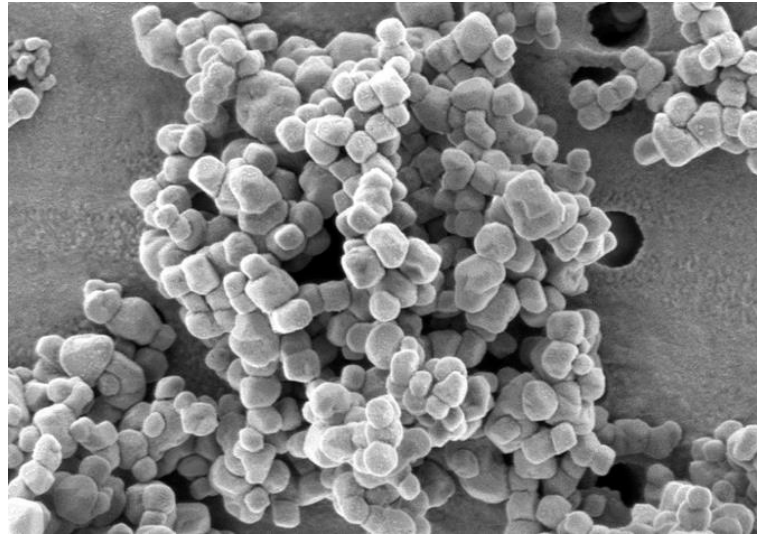
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# CALOFORT®

## Precipitated Calcium Carbonate

### Chemical Properties

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



### SHIPPING INFORMATION

CALOFORT 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

Birmingham, UK  
0044-121-252-4500

Bethlehem, PA, USA  
001-800-801-1031

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

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