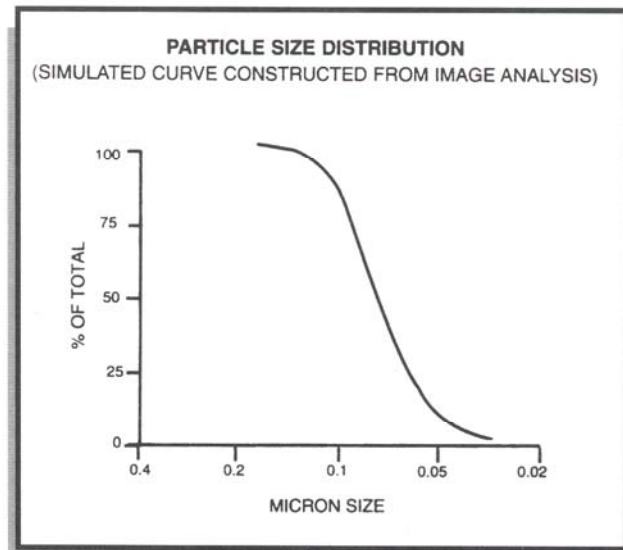
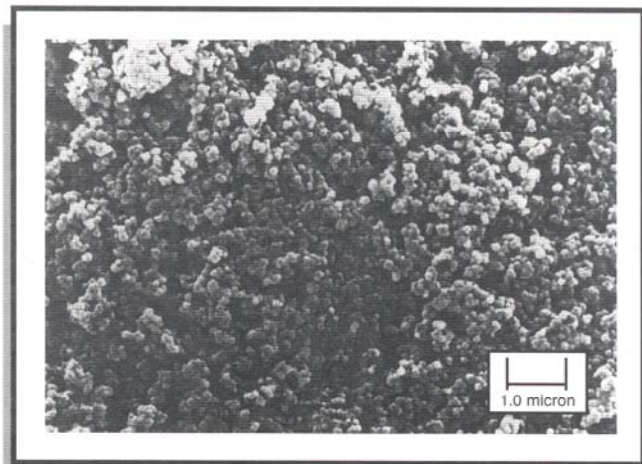


## PERFORMANCE MINERALS FOR SPECIALTY APPLICATIONS

### ULTRA-PFLEX®

precipitated calcium carbonate (pcc)

ULTRA-PFLEX® precipitated calcium carbonate (pcc) is a surface treated, premium quality, high performance, ultra-fine pcc. In **sealants**, particularly pvc plastisol, polysulfide, and polyurethane systems, ULTRA-PFLEX® pcc is a rheological additive providing thixotropy and viscosity control resulting in improved sag and slump characteristics of the sealant. In **rigid pvc** extrusion and molding applications, ULTRA-PFLEX® pcc enhances both notched Izod and falling weight impact strength while providing high surface gloss, whiteness and smooth appearance to the part surface. The multi-functional aspect of ULTRA-PFLEX® pcc provides the formulator with a unique tool with which to solve demanding performance problems, while offering significant cost savings potential.



| Typical Properties                                    |                                |       |
|---|--------------------------------|-------|
| Average Particle Size (microns)                       |                                | 0.07  |
| +325 Mesh Residue, (weight percent)                   |                                | 0.1   |
| Specific Gravity                                      |                                | 2.7   |
| Dry Brightness (Hunter Y, Rd value)                   |                                | .98   |
| Bulk Density (pounds/ft <sup>3</sup> )                |                                | 15    |
| (grams/cc)  |                                | 0.24  |
| Tap Density (pounds/ft <sup>3</sup> )                 |                                | 30    |
| (grams/cc)  |                                | 0.48  |
| Surface Area (meters <sup>2</sup> /grams)             |                                | 19    |
| Chemical Composition<br>(typical – before treatment.) |                                |       |
| Calcium Carbonate                                     | CaCO <sub>3</sub>              | 98%   |
| Magnesium Carbonate                                   | MgCO <sub>3</sub>              | <0.1% |
| Iron as   | Fe <sub>2</sub> O <sub>3</sub> | <0.1% |
| Moisture<br>(% weight loss @ 110°C)                   | H <sub>2</sub> O               | <0.2% |

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