

FEATURES

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

BENEFITS

SEALANTS

- ▶ Improved sag and slump properties
- ▶ Improved viscosity and thixotropy
- ▶ Improved adhesion

PLASTICS

- ▶ Improved impact strength
- ▶ Higher gloss vs other fillers
- ▶ Minimized impact modifier loading
- ▶ Reduced process aid loading for overall reduced cost

ULTRA-PFLEX® & ULTRA-PFLEX 100

Precipitated Calcium Carbonate

Product Description

ULTRA-PFLEX® and ULTRA-PFLEX 100 are surface treated, premium quality, engineered nano particle precipitated calcium carbonate produced in Adams, Massachusetts.

ULTRA-PFLEX ultrafine pcc products are used in PVC plastisol, MS Polymer, silicone, and polyurethane sealant systems. They provide rheological properties, including thixotropy and viscosity control resulting in improved sag and slump characteristics of the sealant. The multi-functional aspects of Ultra-Pflex products provide the formulator with a unique tool with which to solve demanding performance problems, while offering significant cost savings potential.

In plastics, ULTRA-PFLEX products impart improved performance properties to rigid PVC products. The nano particle size and narrow particle size distribution deliver excellent impact properties, extrusion performance, improved surface appearance and gloss. Typical applications include window profiles, pipe fittings, injection molded parts for decorative applications, and small dimension parts with critical performance requirements.

Typical Physical Properties

	ULTRA-PFLEX	ULTRA-PFLEX 100
Average Primary Particle Size (microns)	0.07	0.07
Specific Gravity	2.71	2.71
Dry Brightness (Hunter Y, Rd Value)	96.5	97
Bulk Density (grams/cc)	.31	.33
Tap Density (grams/cc)	.49	.54
Surface Area (meters ² /gram)	21	21
Paste Viscosity, cps <small>*Brookfield @ 20rpm, 35% filler in DINP</small>	8,214	13,260
Thixotropy <small>*Concentric Cylinder 35% filler in DINP</small>	-61	-435

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

Chemical Properties

Calcium Carbonate	98%
Moisture	<0.5%

▶ GCC

▶ Talc

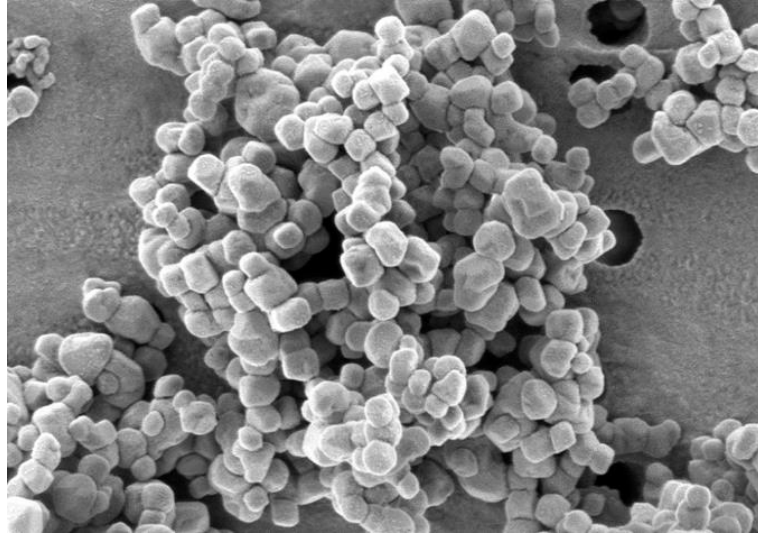
▶ Specialty PCC



Specialty
MINERALS

ULTRA-PFLEX® & ULTRA-PFLEX 100

Precipitated Calcium Carbonate



SHIPPING INFORMATION

Ultra-Pflex® & Ultra-Pflex 100 ship from Adams, MA

Product is available in 50 lb. bags, supersacks, and bulk.

For availability and minimum order quantity, contact customer service.

SALES OFFICES

Adams, MA
877-684-7627

Bethlehem, PA
800-801-1031

www.mineralstech.com

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