

# PERFORMANCE MINERALS FOR PAPER

## ALBACAR™ HO SLURRY

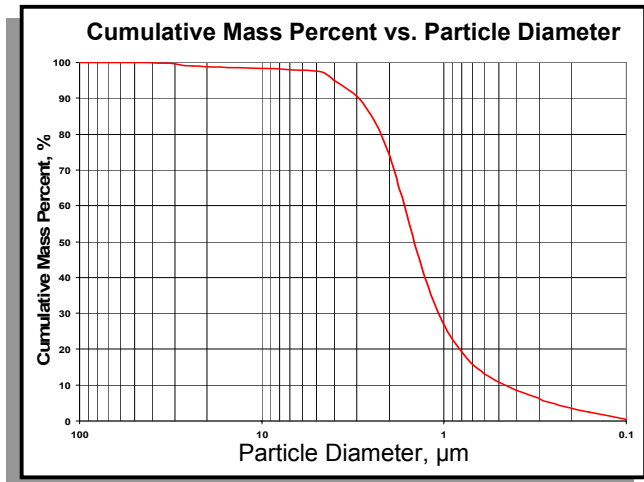
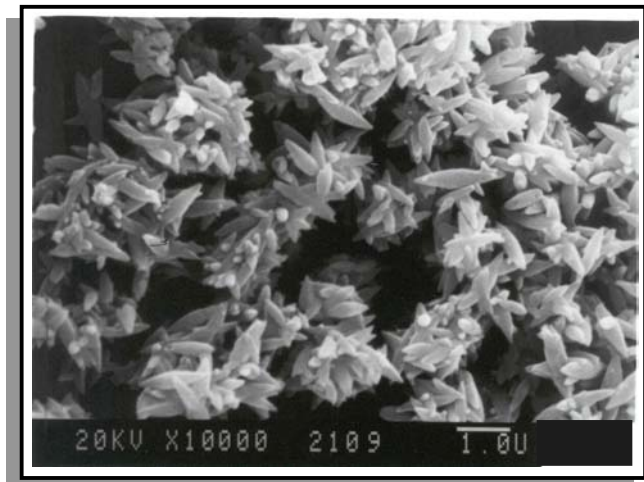
### Precipitated Calcium Carbonate (PCC)

ALBACAR™ HO precipitated calcium carbonate is designed to provide an economical increase in paper opacity, brightness, sheet gloss and bulk. This unique scalenohedral mineral filler is recommended for use in groundwood papers. During the precipitation process, morphology and average particle size distribution are carefully controlled to maximize light scattering. Because the morphology is a clustered scalenohedral structure, the papermaker can take advantage of the bulk/caliper and smoothness/gloss ratios for superior paper performance. ALBACAR™ HO improves print-through and strike-through across all groundwood grades while providing high sheet gloss in supercalendered (SC) and on-line calendered grades.

#### Typical Properties

Particle Shape ....	Clustered Scalenohedral
ISO Brightness .....	>94.5 (R 457 nm)
Median Particle Size, $\mu\text{m}$ .....	1.3 (Sedigraph 5100)
Surface Area, $\text{m}^2/\text{g}$ .....	11
pH.....	7.5 - 9.5
Solids, % .....	20
Einlehner Abrasion, mg .....	3 (Model AT-1000 at 174,000 rev., bronze wire)
+45 $\mu\text{m}$ Residue, %.....	<0.005 (+325 mesh dispersed wet sieve)

Targets for specific surface area (SSA) and average particle size distribution (PSD) can be custom tailored to meet customer needs.



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