

PERFORMANCE MINERALS FOR SPECIALTY APPLICATIONS

ULTRA-PFLEX[®] 100

precipitated calcium carbonate (pcc)

ULTRA-PFLEX[®] 100 precipitated calcium carbonate (pcc) is a surface treated, premium quality, high performance, nano-particle pcc. In sealants, particularly pvc plastisol, polysulfide, and polyurethane systems, ULTRA-PFLEX[®] 100 pcc is a rheological additive providing thixotropy and viscosity control resulting in improved sag and slump characteristics of the sealant. The multi-functional aspect of ULTRA-PFLEX[®] 100 pcc provides the formulator with a unique tool with which to solve demanding performance problems, while offering significant cost savings potential.

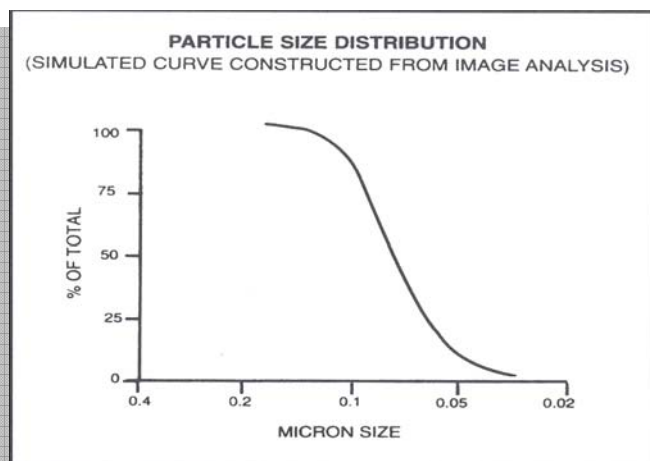
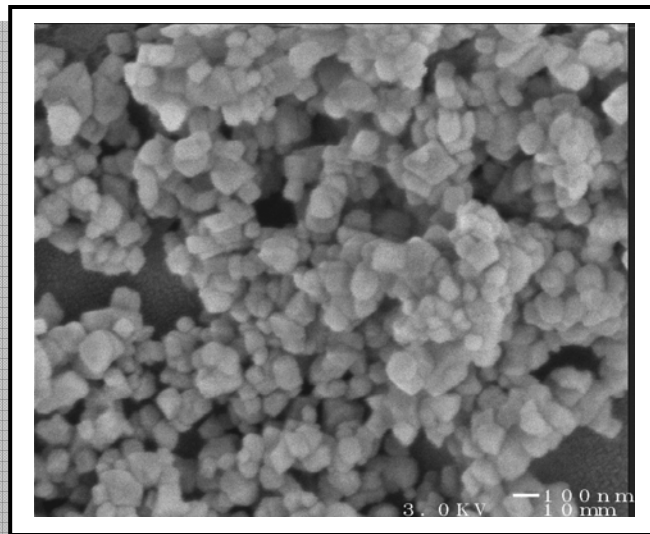
Typical Properties

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 ³)	15
(grams/cc)	0.24
Tap Density (pounds/ft ³)	30
(grams/cc)	0.48
Surface Area (meters ² /grams)	19
Paste Rheology, cps	16,000
(Brookfield Viscosity, @ 20 rpm, 35% filler in DINP)	

Chemical Composition

(typical – before treatment)

Calcium Carbonate	CaCO ₃	98%
Magnesium Carbonate	MgCO ₃	<0.1%
Iron as	Fe ₂ O ₃	<0.1%
Moisture	H ₂ O	<0.2%
(% weight loss @ 110° C)		



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