

CHARLES B. CHRYSTAL CO., INC

689 Mamaroneck Ave.
Mamaroneck, NY 10543
Tel: 914 777 3330 Fax: 914 777 3035
WEB SITE: www.cbchrystal.com
E-Mail: info@cbchrystal.com
INDUSTRIAL MINERALS SINCE 1897

FINE EXPANDED CLAY

This natural clay is completely changed when flash heated. The clay expands, reduces its density, increased its hardness, becomes impermeable to water, fixes its volume, and will not shrink further. It is used in applications where strong, lightweight fillers are required.

TYPICAL CHEMICAL ANALYSIS:

SiO ₂	66.6
Al ₂ O ₃	12.5
Fe ₂ O ₂	6.8
CaO	3.8
MgO	2.5
K ₂ O	0.6
Na ₂ O	0.5
LoI	0.8

TYPICAL PHYSICAL ANALYSIS:

Color	Tan
Unit weight	49 lbs/cu ft dry/loose
Color impurities ASTM C-40	meets or exceeds
Frialles & Lumps ASTM C-142	0.4%
Stain index	20 very light
Shrinkage ASTM C-157	0.055% 28 days
Popout ASTM C-151	None
Magnetic Iron	0.6%
Absorb ASTM C128	33.4%

TYPICAL PARTICLE SIZE BY WEIGHT:

+8 mesh	10 %
20 mesh	approx. medium
-100 mesh	18%

PACKING: Bulk

ORIGIN: USA