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Bentolite L-3 Plasticizer Binder for Plastic Refractory Mixes

Bentolite L-3 is a specially processed magnesium aluminum silicate additive ideally suited for use as a binder and plasticizer for plastic refractory mixes. Its neutral pH and low impurity levels make it the best choice for mixes requiring long shelf life without loss of plasticity. In comparison with mixes containing conventional sodium bentonites. Bentolite L-3 plastic mixes maintain their tackiness, plasticity and shelf life for an extended period.

Addition levels of 3-5% of Bentolite L-3 provide optimal binding and high green strength in high alumina phos-bonded mixes without harming the integrity of refractory properties.

Bentolite L-3 is available in 50 pound bags or bulk.

Typical Properties

Color	Off White
Moisture	10%
Dry Particle Size, thru 200 mesh (74 microns)	80%
Cation Exchange Capacity	100 meq/100g
pH, 10% slurry.....	7.5
Soluble Iron	<1%
Bulk Density, loose/packed, lbs/ft.....	41/52

Typical Chemical Analysis, Wt%

%SiO ₂	74
Al ₂ O ₃	14
MgO	3
Fe ₂ O ₃	1
CaO	2
Na ₂ O	<0.5
K ₂ O	<0.5
TiO ₂	<0.5
L.O.I.	6

The above typical values are not intended as product specifications.

For additional information or technical assistance contact Southern Clay Products, Inc. toll free at 800-324-2891.

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