

BENTOLITE-L 3

Low iron rheology additive based on phyllosilicate, particularly suitable as a binder and plasticizer for plastic refractory mixes.

Product data

Composition

Phyllosilicate

Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Bulk density: 500-1100 kg/m³
Delivery form: powder

Storage and transportation

Product shelf life in unopened original packaging: 60 months
To be stored and transported at a temperature below 50 °C.

Applications

Foundry and refractory

Special features and benefits

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

Recommended levels

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

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.



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