

## Distinctive features of chrysotile

Uniqueness of the Bazhenovskoye field consists not only in enormous stocks of chrysotile, but also in very wide set of fibers of various length: from shares to several tens millimeters that allows to receive any brand of chrysotile 0-7 groups and to pick up analogs of foreign production.

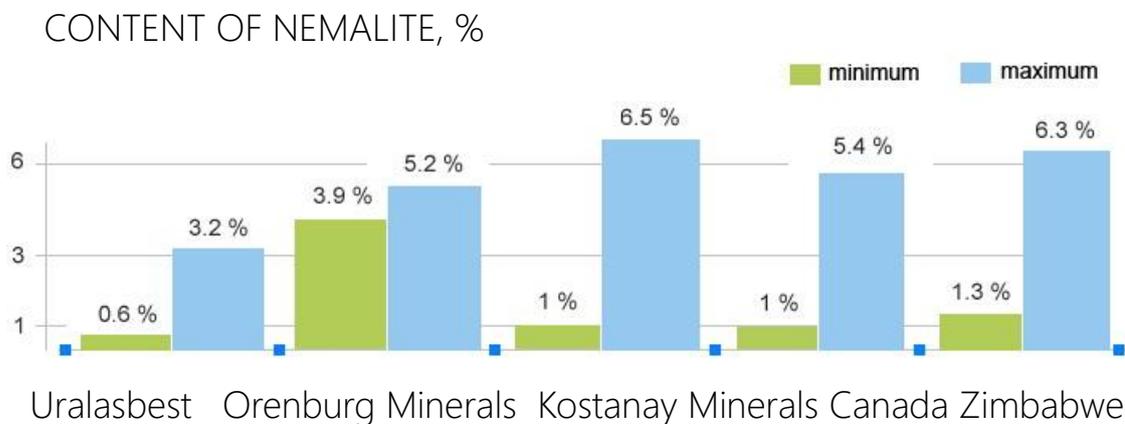
Numerous tests of domestic and foreign laboratories didn't reveal existence in Ural chrysotile any harmful or hazardous to health impurity, such as amphibole.

In comparison with other fields, chrysotile fiber of combine "Uralasbest" is the thinnest and most elastic, easily capable to separate, that provides high spinning ability and durability of products.

Chrysotile of various fields contains a number of the impurity worsening its reinforcing properties, raising an expense in chrysotile cement weight: nemalite, carbonate impurity and magnesite.

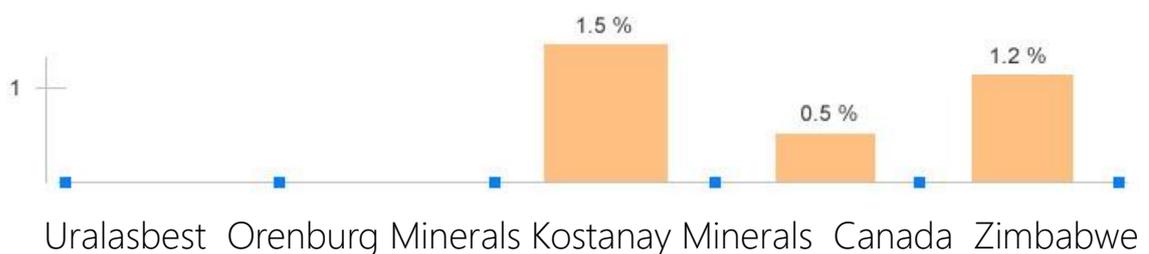
The mineral of the Bazhenovskoye field favourably differs on the natural properties and purity from other fields.

In Ural chrysotile content of nemalite is the most minimum:



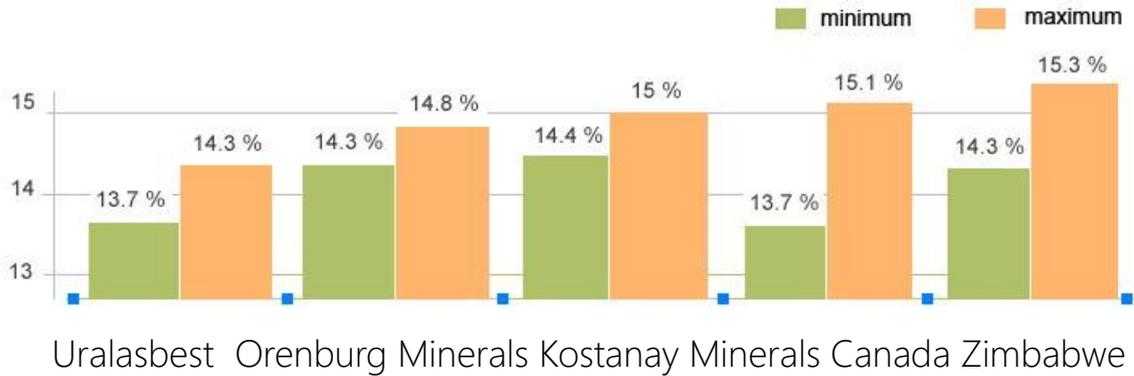
Practically absolutely there are no carbonate impurity calcite  $\text{CaCO}_3$  and magnesite  $\text{Mg}(\text{HCO}_3)$ :

CONTENT OF MAGNESITE, %



Presence in chrysotile of nemalite and carbonates, and also other impurity, influence size of loss of weight when calcinating: the more contains impurity, the it is more than loss.

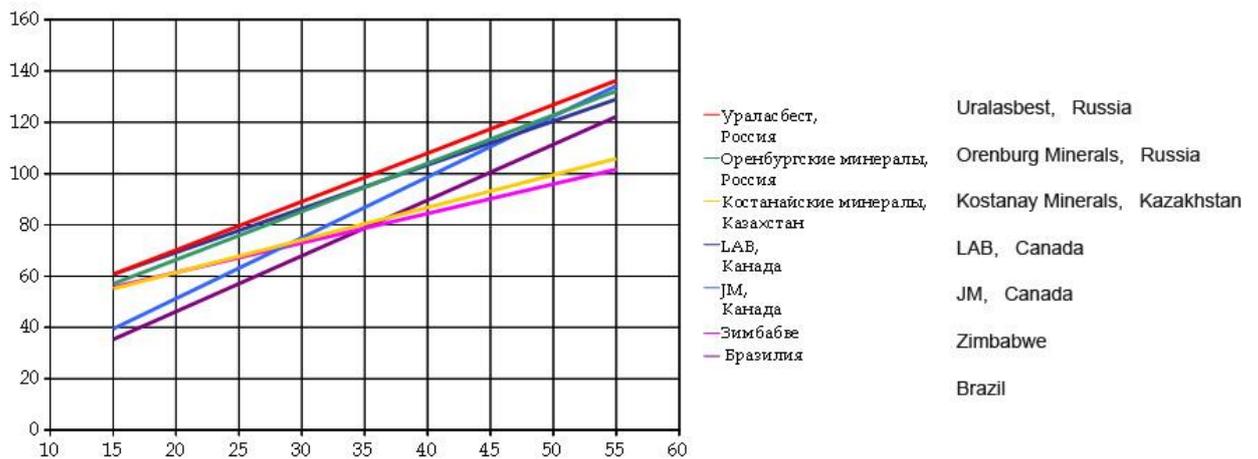
Values of loss of weight when calcinating in Ural chrysotile are the lowest:  
WEIGHT LOSS AT CALCINATING, %



The indicator of relative durability (strength) of FSU is complex, uniting both natural, and consumer characteristics of chrysotile, its productions depending on technology.

At the identical index of quality on the hydroqualifier Bauer-McNett, Ural chrysotile on indicators of relative durability of FSU is better than chrysotile of other fields:

RELATIVE STRENGTH (DURABILITY) OF CHRYSOTILE FIBER, FSU



Index on Bauer-McNett

Durability, strength and reinforcing ability of Ural chrysotile fiber are the highest that provides the highest consumer value, the leading rating among other fields during the manufacturing of chrysotile cement and chrysotile technical products:

RATING OF CHRYSOTIE FIBER OF VARIOUS DEPOSITS

