



Iranian MAKU region basalt quarry

In the name of God

Iranian Basalt quarry Discovered in 2002 by Mr. Alexander Zharov From Russia. This quarry is in north of Iran and neared in Turkey frontier.

Maku quarry basalt samples passed all laboratory tests and confirmed its ability to producing of basalt fibers by "PROBLEMS MATERIALS SCIENCE NATIONAL ACADEMY OF SCIENCE OF UKRAINE".

This new material has very fascinating and interesting advantages over other basalt rocks.

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Oxides	Sample №1	Sample №2	Sample №3
SiO ₂	50,37	49,96	49,72
TiO ₂	2,96	2,96	2,96
Al ₂ O ₃	17,40	18,00	17,45
Fe ₂ O ₃	3,29	3,57	3,80
FeO	6,61	6,61	6,31
MnO	0,17	0,17	< 0,02
MgO	3,93	3,93	4,24
CaO	6,98	6,98	7,36
Na ₂ O	4,57	4,65	4,52
K ₂ O	1,50	1,50	1,50
P ₂ O ₅	0,69	0,69	0,66
H ₂ O	0,17	0,20	0,29
S _{sum.}	0,02	0,32	0,02
Losses of weight at burning	0,89	0,68	0,88
The sum	99,64	99,79	99,71
M _A	6,21	6,23	5,79
M _B	2,66	2,67	2,54

STATE ENTERPRISE "SCIENTIFIC TECHNOLOGICAL CENTRE" BASALT-FIBRE MATERIALS" of FRANTSEVICH INSTITUTE for PROBLEMS OF MATERIALS SCIENCE NATIONAL ACADEMY of SCIENCE of UKRAINE (SE STC «BAVOMA» IPM NAS of UKRAINE)

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«CONFIRMED»

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REPORT

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