



QUALITY CERTIFICATE

EXPANDED PERLITE SAND - M100 from Paravan Deposit, Georgia

Field of application: Construction, metallurgy and other fields
By MST 20753664-004-2009 and GOST 10832-2009

Chemical composition (%)

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	MnO	CaO	MgO	S	K ₂ O	Na ₂ O	Cl	P ₂ O ₅	H ₂ O	Ignition on Loss
73.0-76.0	12.9-13.2	0.5-1.0	0.13	0.08	0.69	0.23	0.00	4.19	3.15	0.04	0.03	0.04	3,7-3,77

1. Apparent density - 80-110 kg/m³
2. Coefficient of thermal conductivity - 0.048-0.070 W/m-⁰C
3. Grade - 0.16mm-2.25mm

Total specific activity of radioactive Nuclides (of uranium, thorium and potassium) no more than 230 Bq/kg.