



STAUROLITE CONCENTRATE

Other names: Staurolite sand, Staurolite
CAS number: 12181-56-8
Formula: Fe,AL,SiO₄ O₇ (OH)
Technical Condition of Ukraine TU-U 14-10-022-99
Harmonize Commodity Code 2617900000

Chemical analysis
Contents, % GUARANTEED TYPICAL
AL₂O₃+TiO₂ min 45,5 49
SiO₂, max 29 27
Th+U max 70 ppm
Moisture, max 0,5 0,2
Physical description and properties:

Appearance: Brown to black free running sand.
Grain shape: irregular angle.
Grain color: yellow (different tints), black.

Specific Gravity: 3600 - 3750 kg/m³
Bulk density: 1980-2040 kg/m³
Grain size: 63 • 200 mkm
Flammable: Nonflammable
Solubility in Water: Insoluble
Angle of friction: 32°
Hardness: 7-7,5
Minerals Contents, %
Staurolite: 81-86
Kyanite-sillimanite: 0,5-1,5
Ilmenite: 5-7
Zircon: 1-1,5
Turmaline: 7-10
Quartz: 0,1-0,5
Storage: in closed containers or bags, protect from physical damage.
Terms of storage unlimited.
Sieve Aperture (microns) Cumulative retained, %
+200 5
+160 45
+100 93
+63 99

Note: We are ready to consider the possibility of staurolite briquette supplies (made by pressing of the staurolite concentrate and clay).

End use: Additive for slag fluidifying in open-hearth furnances.

Shipment:
Bulk in railway cars or vessel holds;
50 kg bags;
Soft containers (big bag) 1 t net.