



Radarweg 29
1043NX Amsterdam
The Netherlands

KYANITE-SILLIMANITE FLOUR

Specification

Manufacturer: Volnogorsk Mining and Processing Plant

Origin: Ukraine

Other name: kyanite-sillimanite, disthene-sillimanite

CAS number: 14940-68-2

HS code: 2606000000

End application: raw material for steelmaking, refractories, glassmaking refractories, ceramics coating, glass additive, mullite manufacture and foundry uses

Chemical analysis:

Name	Content, %
Al ₂ O ₃	min. 57
TiO ₂	max. 2.5
Fe ₂ O ₃	max. 0.8
CaO	max. 0.2
MgO	max. 0.4
Na ₂ O+K ₂ O	max. 0.1
Th+U	max. 70 ppm
ZrO ₂	max. 0.8
Moisture	max. 0.5

Minerals:

Name	Content, %
Kyanite-Sillimanite	93-94
Rutile / Ilmenite	1.0-2.0
Zircon	1.0-1.5
Quartz	1.0-3.0

Physical description and properties:

Terms of storage	unlimited
Appearance	light grey dry powder
Melting point	1850 °C
Specific gravity	3100 - 3400 kg/m ³
Flammability	nonflammable
Solubility in water	insoluble

Particle size	
Sieve aperture, μm	Cumulative retained, %
+40	0.5
+20	15
+5	75

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