

ASILIKOS Blasting Abrasives

ASILIKOS is a synthetic, mineral, environment-friendly blasting abrasive in accordance with ISO 11126-4 N/CS/G.

It consists of slag-tap granulate and can be used in accordance with the requirements of BGR 500, Part 2, Section 2.24 "Working with blasting equipment". ASILIKOS has the following technical details:

Chemical analysis: Aluminum silicate glass melt

Chemical composition, calculated as oxides:

Silicon dioxide	42 - 58 %
Aluminum oxide	23 - 32 %
Iron(III) oxide	3 - 15 %
Calcium oxide	2 - 8,5 %
Potassium oxide	0,5 - 4,6 %

The metals present are chemically bound in the form of silicates or aluminates.

Conductivity less than 20 mS/m

Water soluble chlorides less than 0,02 % (wt/wt)

Contains no free crystalline silica.

Weight & hardness:

Specific weight/ grain density	2,4-2,6 kg/dm ³
Bulk density, for standard grain sizes	1,05 – 1,4 kg/dm ³
Moh Hardness	min 7

Grain sizes:

0.2 - 0.5 mm
0.2–1.0 mm
0.2–1.4 mm
0.2–2.0 mm
0.5 –1.4 mm
0.5–2.0 mm
1.0–2.0 mm
1.4–2.8 mm

Packing Units

25 kg paper bags on euro-pallets with shrink hood
 1.0 , 1.35, 1.5 metric ton big bags
 in bulk

The plant can produce around 60 metric tons of blasting abrasives per hour and up to 160,000 tons per annum. In that process, the granulate supplied direct from the neighboring power plant by conveyor belt is first treated to relieve stress, and the moisture then removed in a special drum-type dryer. Two screening systems sort the granulate into grain sizes from 0.04 to 5 millimeters.

The abrasive can then be packaged for transport in 25 kilogram bags, or in 1.0, 1.35 or 1.5 metric ton big bags, or directly loaded onto silo trucks. There are also roofed-over storage areas available for 800 metric tons of blasting abrasives, and a further 2,500 tons can be stocked in the open air. In this way, even large-volume orders can be fulfilled on time.

By the way, we are thoroughly conscious of our responsibility for the environment. That is why we operate an Environmental Management System certified to ISO 14001 at our Blasting Abrasives Plant and at all other production and handling facilities of STEAG Power Mineral