03 · Lightweight solid / powder

Lightweight Carbon & Silica Functional Material

During the production of potassium silicate, Bio-Silica recovers a valuable solid material consisting primarily of carbon and silica. It is lightweight and porous, and is supplied as a functional material in its own right rather than treated as a by-product.

KEY CHARACTERISTICS

- Carbon and silica in one material
- Lightweight and porous
- Recovered within the existing process
- Renewable agricultural origin

MAIN APPLICATIONS

Refractory Filler · Pore-Forming Additive · Silica Biochar · Soil Improvement · Adsorption & Filtration · Metallurgical Applications

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Appearance	**Black powder**
SiO_2	**70–80 %**
Carbon	**15–20 %**
$K_2O + Fe_2O_3 + CaO + MgO + Al_2O_3 + Cl$	**< 10 %**
Specific surface area	**200–600 m^2/g**
Particle size	**Adjustable**

Product specifications and grades can be tailored to meet specific applications and customer requirements.

PACKAGING

5 kg LDPE bags. Other formats to customer requirement.

Bio-Silica — Egypt.
The information given is offered in good faith as a guide. It does not constitute a specification and does not release the buyer from testing the material for their own application. Safety information is given in the Safety Data Sheet.