

# Sorbotech® LGCO 100

## – Application –

**Sorbotech® LGCO 100** is a granular activated carbon manufactured from selected, high quality grades of coconut shell charcoal. Its high developed internal area, microporous structure and superior mechanical hardness makes it as a perfect medium for drinking water filtration, eliminating undesirable colour, taste and smell. Additionally, it can be used in wastewater and process water filtration, removing organic impurities do a trace level.

## – Specification –

Iodine number	1000 mg/g
Surface area (BET method)	1000 m <sup>2</sup> /g
Moisture content	5 %
Grain size (8 x 30 mesh)	0,6 – 2,36 mm

## Typical properties

Ash content	3 %
Hardness	98 %
Density	500 kg/m <sup>3</sup>

## – Storage –

- In sealed, unopened packages
- In dry place with temperature 5 - 80° C
- Away from sources of ignition and solvent vapours
- With limited exposure to direct sunlight and moisture

## – Standard packaging –

- Small bag 20 kg
- Big Bag 500 kg

## – Safety –

Wet activated carbon adsorbs oxygen from the air, what can cause danger while working inside containers with activated carbon and in closed or poorly ventilated places.

Under certain conditions, during contact with oxidizing agents and some organic compounds such as ketones (e.g. acetone), acrylates, esters, volatile acids, amines, etc. activated carbon may react exothermically. In case of rapid temperature increase cooling with water is recommended.