

## TECHNICAL DATA SHEET

### TEXTILE WITH ANTIMICROBIAL TREATMENT



**Name of the textile: StopBac – Melt 60 g**

#### **Technical parameters:**

Type: nonwoven textile - meltblown

Material: 100 % polypropylene

Width: 80 cm

Length: 100 meters or 200 meters (max deviation +/- 2 %)

Weight: 60 g /m<sup>2</sup>

Treatment: hydrophobic with static charge

Colour: silver / brown – colour progressively penetrate the surface, change of the colour does not have the effect on functionality

Storage: store from -10°C to + 40°C

Usage time: min. 24 months

Disposal: unused material throw into mixed waste

#### **Efficiency parameters:**

Modification: antimicrobial sol StopBac

Used technology: spray atomization

Antibacterial effectiveness of Sol StopBac according to the test: 99.99 %

Textile capture efficiency of the meltblown textile according to the test: 97 %

#### **Textile description:**

The particles capture efficiency of the meltblown textile is tested by an independent accredited testing laboratory according to the regulation ČSN EN 149+A1 for particles 20 nm – 2000 nm with the result efficiency 97 % in average.

In addition, the textile is modified with nanolayers of StopBac solution containing silver nanoparticles by using the technology of spray atomization. The silver nanoparticles have got an antimicrobial effect and the StopBac solution itself is tested by an independent accredited testing laboratory for activity against bacteria at 99.99 %.

Silver nanoparticles contribute to lengthen the lifetime of the textile. In emergency situations the textile could be sterilized for a repeated use, although it will progressively decrease its functionality.

The modified StopBac fabric, therefore, achieves not only high filtration efficiency, but also contributes preventively to protection against infectious diseases and overall improvement of the hygiene environment.