

TECHNICAL SPECIFICATIONS

Company name	PLASTON AG
Product name	ARGENTOSAN® FABRIC
Creation date	02.05.2008
Revised on	
Version	1.0
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01 Designation of the material and the preparation

Business name
ARGENTOSAN® Fabric

Article number
33843

Chemical designation and composition
Knitted fabric made of: Ag wires woven with PP fibres

50-60% silver wire (Ag)
CAS No.: 7440-22-4
EINECS No.: 231-131-3

40-50% polypropylene fibres
CAS No.: 9003-07-0

02 Usage and application area

Biocidal (fungicidal and bactericidal) functioning knitted fabric for drinking water and processing water conservation.

03 Properties

Form of appearance
Tube-like bundle made of silver wire and polypropylene fibres, width 8 mm

Consistency
Solid



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04 Processing information

Processing

Tailored or as piece goods (Laser cutting not possible, only mechanical trimming).
Applicable with or without casing (with casing: observe material clearances, e.g. FDA).
Max. storage 1 year.

Dosage

Dosage is dependent on the application and is recommended individually by Plaston AG.
Max. 1 cm per litre of tank volume (standard).

05 Effect

Mode of functioning

Controlled release of silver ions due to the patented surface treatment procedure:
Self-regulation

The ARGENTOSAN® fabric has to be in constant contact with water to ensure a steady release of silver ions.

Effect sets in within a few hours.

Length of effect

Min. 6 months, max. dependent on the application.

Restriction of effect

Restriction of effect for the interaction with silver-bearing substances.

The application of ARGENTOSAN® fabric is only possible with drinking water quality in accordance with national regulations and does not release from obligations to abide to specific hygiene regulations (regular cleaning).

06 Combination with other materials

Combination is possible with

Customary decalcifiers, oxidative disinfectants

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07 Application knowledge

Range of application

Drinking and processing water conservation

Microbiological tests with various typical water-based microorganisms have proven that ARGENTOSAN® fabric significantly reduced germs in the water.

For conservation of drinking water, processing water and swimming pool water, e.g. in water tanks, water coolers and water dispenser.

For replacement of environmentally critical chemicals in swimming pools, therapeutic baths and hot springs.

For water protection in climate air-conditioning and chemical engineering technologies.

For antimicrobial barriers for bacteria in pipes, shower heads, water fittings and especially hot-water boilers.

08 Technical data

Density (at 20 °C)

Approx. 5.67 - 6.67 g/cm³ (silver: 10.5 g/cm³, polypropylene: 0.85 - 0.93 g/cm³)

Bulk density

Not applicable

Melting temperature

120 - 170 °C

Degree of moisture

Not applicable

Grain size

Not applicable

09 Risk warnings

Risk designation

Not a dangerous product in accordance with the directive 67/548/EEC

Additional risk warnings for humans and environment

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Licences

WQA (Water Quality Association)

Gold Seal in accordance with ANSI/NSF 61

(listed in the Validated Water Treatment Equipment Directory).

Until the end of 2008 all worldwide prescribed licences in accordance with the biocide guidelines are met.

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Packaging form

Standard: 25 m web in PE plastic bags, 40 bags per standard box.

Customer specific packaging sizes possible in arrangement with PLASTON AG.

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Storage

Do not store together with:

Strong oxidants, strong acids (nitric acid, concentr. sulphuric acid), strong lye, halogens, halogen connections, concentrated hydrogen peroxide solutions.

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Contact data

It is recommended to contact PLASTON AG for individual customer service for processing, dosage, application, etc.:

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