PRODUCT DATA SHEET

GRAFIPRINT ANTIMICROBIAL FILM

REFERENCE CLEANSK01

RELEASE 30.09.2021

PROVISIONAL SPECIFICATIONS

DESCRIPTION

Grafiprint CLEANSK01 is a transparent glossy cast pvc film with active antimicrobial components. The film comes with a solvent based permanent adhesive.

APPLICATION

Grafiprint CLEANSK01 has been designed especially for microbial protection of surfaces and places where a high degree of hygiene is required (supermarkets, shopping centers, hotels, restaurants, stations, libraries, hospitals, schools, creches, indoor playgrounds,…). The film is meant for indoor use.

→ INDOOR USE

COMPOSITION

FILM
60µm transparent glossy pvc film
ANTIMICROBIAL COMPONENTS
Silver ions
ADHESIVE
Permanent pressure-sensitive solvent based acrylic adhesive.
RELEASE LINER
Single sided PE-coated paper of 138 g/m²

NEUTRALIZATION BACTERIA (TEST ISO 22196)

Reduction of >99,99% of bacteria confirmed for the active strains of:
Listeria monocytogenes (DSM15675)
(report Quality Labs, 210317-10367-22196-02)
Pseudomonas aeruginosa (DSM939 ATCC15442)
(report Quality Labs, 210517-10367-22196-01)
Escherichia coli (DSM1576 ATCC8739)
(report Quality Labs, 210317-10367-22196-04)
Salmonella enterica (DSM17058 ATCC43971)
(report Quality Labs, 210525-10367-22196-01)
Methcilin resistant Staphylococcus aureus (MRSA) (DSM11729 ATCC33592)
(report Quality Labs, 210517-10367-22196-02)
Staphylococcus aureus (DSM799 ATCC 6538)
(report Quality Labs, 210209-10367-22196-01)

PRODUCT SPECIFICATIONS

Technical properties

RELATIVE HUMIDITY
50 ± 5%

TEMPERATURE
23 ± 2°C

		TEST METHOD	RESULT
1	**Thickness film (1)** **Thickness film + adhesive + release liner**	ISO 4593	60µm 230µm
2	**Dimensional stability (2)**	Finat 14	< 0,2mm
3	**Gloss (maximum – measuring angle 20°)**	ISO 2813	64 GU (gloss units)
4	**Adhesion strength after 20 minutes (3)** **Adhesion strength after 24 hours**	Finat 1	14 N/25mm 15 N/25mm
5	**Quickstick (4)**	Finat 9	12 N
6	**Max. outdoor life span (5)**	-	n.a. (only indoor use)
7	**Temperature range during application** **Temperature range at use**	-	+5°C tot +40°C -15°C tot +90°C
8	**Flammability** If applied on aluminium, glass, steel = self-extinguishing		

(1) Average (2) Maximum (3) Average (4) Average (5) Central-European conditions

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STORAGE INSTRUCTIONS

All Grafiprint materials always have to be stored in their original packing and with the original protection flanges (preferably vertically).
In order to avoid any loss of quality, the Grafiprint print film should be stored in suitable conditions, i.e. at a temperature between 10/20°C and a relative humidity of 50%. Under these conditions Grafiprint materials can be stored for a period of two years.

ANTIMICROBIAL ACTIVITY

The antimicrobial components remain active up to 365 wash cycles with water and a chlorine solution (2500 ppm Cl_2).
(report Quality Labs, 210629-10367-22196-01, 210628-10367-22196-01, 210629-10367-22196-02, 210802-10367-22196-01, 210804-10367-22196-02, 210804-10367-22196-01).

CLEANING / DISINFECTING

The film can be cleaned with all common, non-abrasive cleaning agents.

CONTACT WITH FOOD

Avoid direct contact of the film with food.

LAMINATING

The film can be used to laminate digital prints which have been made on Grafiprint print media.

LIFE SPAN

The film is not intended for outdoor applications. When used indoors (vertical), the film has a life span of up to 5 years with moderate contact. More frequent contact (eg on door handles, with high visitor numbers,…) will reduce the life of the film. The life of the film depends on the intensity and frequency of mechanical friction to which it is exposed.

IMPORTANT

The information mentioned in this product data sheet is based upon tests that were executed by Grafityp, and that we consider to be reliable. The information always represents an average, a minimum or a maximum value, and should be considered as such. It is given only for your information, and does not give any guarantee. It is up to the end user to decide whether or not the product is suited for his particular application.
The expected life span refers to indoor use and when applied vertically, and only applies to the used film and adhesive. Non-vertical application can reduce the life span up to 50%. The expected life span of our films is based upon professional application on a dry, degreased and suitable background. Tropical conditions, or the use near chemical emission, may have a detrimental effect on the life span.
Subject to modifications