MATERIAL DATA SHEET

It is the responsibility of the user to check whether the product is suitable for the intended use, even under the application-related influences.

White outdoor film (sheet)

SPECIFICATIONS

Top material

White, matte, opaque polyethylene film

Material description

DIN EN ISO 534 µm 178 ±13

Thickness

DIN EN ISO 536 g/m² 116 ±10

Grammage

Adhesive

Permanent - Acrylic adhesive

Type of adhesive

Permanent

Removable

Water-soluble

Water-soluble adhesive - the label can be easily removed in one piece without leaving any residue. To remove, soak the material in a water bath for at least 5 minutes

Grammage

DIN EN ISO 536 g/m² 155 ±10

Grammage

The specification applies to the top material including adhesive.

Liner material

White kraft backing paper, wood-free

Material description

Compound

DIN EN ISO 534 µm 290

Thickness

DIN EN ISO 536 g/m² 253

Grammage

Ca. -40°C bis +150°C

Application temperature

0°C

Minimale application temperature

23 °C / 50 % relative humidity

Optimum storage conditions

SPECIFICATIONEN

Top material features

Water repellent

☒

ⓘ **Water-repellent** labels can be sprayed or wiped with a damp cloth

Waterproof

☒

ⓘ **Waterproof** labels can be submerged. They have been tested with a 24 h immersion in fresh water

UV-resistant for 6-9- Monate months/years

☒

ⓘ **UV-resistant** is the term used to describe materials that can be exposed to UV radiation (ultraviolet radiation) from the sun without changing their appearance or mechanical properties

Oil resistant

☒

ⓘ The product has been tested with mineral oil and vegetable oil (almond and sunflower oil).

Resistant to chemicals

☒

ⓘ **Chemical resistance** was tested with ethanol.

Tear resistant

☒

Microwave safe

☐

Suitable for freezing

☒

ⓘ The formation of condensation after removing a bottle of from the freezer is a physical process. The warmer ambient air condenses, settles on the bottle and forms condensation. This can lead to traces of condensation (bubbles/ wrinkles) on paper labels, which will disappear over time (after the drying process).

Dishwasher-safe

☐

ⓘ The products can be put in the dishwasher, but the label may come off over time.

Suitable for the refrigerator

☒

ⓘ The formation of condensation after removing a bottle of from the refrigerator is a physical process. The warmer ambient air condenses, settles on the bottle and forms condensation. This can lead to traces of condensation (bubbles/wrinkles) on paper labels, which will disappear over time (after the drying process).

Varnish

The material is available in the labelled variants.

Glossy

☐

Matt

☐

without

☒

ⓘ The **varnish** is primarily used to refine the material to give it either a glossy or matt effect. In addition, the protective lacquer also offers a certain resistance to scratches and abrasion. It forms a protective layer on the surface, which can protect it from damage. However, it is important to note that the protective lacquer primarily fulfils an aesthetic function and cannot provide comprehensive protection . In the case of strong mechanical effects or chemicals, the protective lacquer may not be able to fully guarantee its protective properties.

White underprint

☐

ⓘ A **white underprint** is used for transparent and coloured materials to achieve high colour brilliance

SPECIFICATIONS

Top material features

Can be labelled by hand with a permanent marker e.g. with Staedtler Lumocolor permanent.

Glossy ☐

Matt ☐

Without ☒

i DThe writeability property depends not only on the material, but also on the surface finish applied after printing (e.g. difference dispersion varnish matt or glossy.

Special features

Can be stamped with special stamping ink e.g. Coloris 337.

Glossy ☐

Matt ☐

Without ☒

i The stampability property depends not only on the material but also on the surface finish applied after printing (e.g. difference dispersion varnish matt or glossy).

Special features

Suitable for containers out of

Glass ☒

ab Ø 37 mm

Diameter

Test tube ☒

ab Ø 16 mm

Diameter

Plastic (PP) ☒

ab Ø 31 mm

Diameter

Paper	Cardboard	Tube (PP)	PET bottle
☐	☐	☒	☒

i The adhesion was tested on the containers listed above as an example. The suitability of other containers must be tested individually by the user.

SPECIFICATIONS

Ideal for	cosmetics, bottle, and product labels promotion stickers outdoor use
Sustainability	
Special features | Please note	
Comment	The data given are average values. Subject to change and errors excepted. Properties are subject to change without prior notice Application tests under practical conditions are generally recommended. Disclaimer: This is an automatically generated data sheet. The given dates are averages values. Information may change. Application tests under field conditions are generally recommended.