



ARTYSIO PACKAGING 5443 PET TH VFFS 112 W

5443, 110 µm

Water-based inkjet printable white PET based laminated film with an intermediate aluminium layer suitable as flexible primary packaging for food & non-food applications where particularly high barrier properties are required to protect the freshness, aroma and appearance of the products. Suitable for single pass printing technologies with dye and pigmented inks.

Due to the design of the product and the very fast fixing of water-based ink, ARTYSIO Packaging 5443 is particularly suitable for print&pack applications, where packages are printed and filled inline in a single production step. The machinability of this film laminate was designed for use on vertical packing lines as form fill & seal (VFFS) for free-flowing products

Its excellent sealing properties are characterised by maximum product safety, very strong seals (heat seal and ultrasonic) and superb machinability on printing and packing machines.

Due to its particularly high water vapour and oxygen barrier, this product is suitable as primary packaging for all free-flowing products such as coffee and dry pet food.

Advantages

- Ideal concept for smaller packaging lot sizes on high diversity of artwork designs
- Freedom of layout individualisation without any cost add-on
- Personalised packaging as a value add for consumer gifts & events – enable new business concepts of your products at POS due to our functional packaging material
- No lead time for external printed packaging material – Our product defining the time to market
- Saleable products, packed and printed within minutes – 100 times less set up time in comparison to analogue printing technology
- No storage of pre-printed packaging films necessary
- Significant reduction of working capital in comparison to traditionally made packaging material

General tips

The product should be stored in original packaging at a room temperature of 10 – 30°C and at a relative humidity of 20 – 70%.

Compliant for food contact applications according to EU regulations. Please ask for a compliance declaration for your specific application.

Technologies



Physical data

Name	Value	Tolerance	Norm
Thickness (film) [μm]	110		ISO 4593
Weight [g/m^2]	137		ISO 536
Bending stiffness MD [mN]	41		ISO 2493-1; 15°/10mm
Bending stiffness CD [mN]	39		ISO 2493-1; 15°/10mm
Whiteness, CIE, D65/10°, front side	101		ISO 11475
Chromaticity (D50/2°) L* M0	92.7		ISO 13655, M0
Chromaticity (D50/2°) a* M0	-0.8		ISO 13655, M0
Chromaticity (D50/2°) b* M0	-4		ISO 13655, M0
Gloss (60°)	50		ISO 2813
Opacity [%]	100		ISO 2471
Water Vapour Transmission Rate [$\text{g}/\text{m}^2\cdot\text{d}$]	< 0.1		DIN 53122 (23°C / 85% r.H.)
Oxygen Transmission Rate [$\text{m}^2\cdot\text{d}\cdot\text{bar}$]	< 0.1		DIN 53380-3 (23°C / dry)
CoF Value kinetic	0.5	$\pm 0,05$	ASTM D1894

Durability

Shelf life 1 year from production, observing the above storage parameters.

Printing instructions

A protective varnish or laminate for the printed image is recommended.