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Technical Data Sheet K16

PET/PETmet/PE laminate metallised | 12 PET / 12 PETmet / 100 LD-PE

Material properties

Silver laminate film with a metallised ultra-high barrier for products with demanding barrier requirements and distinctive metallic effects. Suitable for food supplements, spices, coffee and more.

Print film:	PET transparent
Printing:	HP Indigo digital printing (100% coverage)
Adhesive:	Solvent-free adhesive
Barrier:	PET metallised
Adhesive:	Solvent-free adhesive
Sealant film:	LDPE transparent



- Triplex film with ultra-high barrier
- Not recyclable (07)
- Direct food contact*

Outside	Inside	Film thickness	Sealing temperature (SIT)	Oxygen transmission rate (OTR)	Water vapour transmission rate (WVTR)
Metallic silver	Metallic silver	124 µm	>= 90 °C	<= 0,1 cm^3 / m^2 / 24h x atm (ASTM D 3985)	<= 0,1 g/m^2 / 24 (ASTM F 1249)

*Food contact compliance: (EC) No. 1935/2004 | (EC) No. 2023/2006 | (EU) No. 10/2011

Film Structure

Property	Weight g/m²	Thickness µm
Print film ± 5%	16,65	12
Adhesive ± 10%	1,5	1,5
Barrier film ± 5%	16,8	12
Adhesive ± 10%	1,5	1,5
Sealant film ± 5%	92	100
Total	128,45	127

Structure with printing (250% ink coverage)

Property	Weight g/m²	Thickness µm
Film ± 5%	128,45	127
Printing	2,5	2,5
Total	130,95	129,5

Optional resealable zipper: 4.0 ± 0.4 g/m.

Storage Conditions, Processing Instructions and Warranty

Subject to the following storage and processing conditions, we guarantee trouble-free processability for a period of 12 months from delivery:

Storage conditions:

- Temperature: 18-25 °C
- No direct sunlight
- Store on pallets and without contact with other goods
- Clean ambient air in the storage area (in particular no solvent components in the ambient air)

Caution - Do not store:

- directly on the floor
- directly against walls
- in front of heaters (fan heaters)
- in front of other heat sources

Processing conditions / Processing instructions:

- Move to the processing room at least 24 h before processing
- Remove roll/pallet packaging only immediately before processing
- Remove the outer layer of the roll before processing
- Remove one layer of film before and after each splice

This technical data sheet was prepared in part based on information provided by our suppliers. All information is provided for guidance only. We cannot accept liability for interactions between the filling product and the film. The customer is responsible for ruling out such interactions. No legally binding assurance of specific properties or suitability for a particular application can be derived from our information; this must be validated by the purchaser.