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Technical Data Sheet K18

# PP monomaterial pearl white | 25 BOPP T / 28 BOPP met / 70 CPP T

## Material properties

White PP film with a metallised ultra-high barrier for products with demanding barrier requirements, such as food supplements, spices, coffee and more.

| | |
|---|---|
| **Print film:** | BoPP transparent |
| **Printing:** | HP Indigo digital printing (100% coverage) |
| **Adhesive:** | Solvent-free adhesive |
| **Barrier:** | BOPP metallised |
| **Adhesive:** | Solvent-free adhesive |
| **Sealant film:** | CPP transparent |



- Triplex film with ultra-high barrier
- Recyclable (PP 5)
- Direct food contact*

| Outside | Inside | Film thickness | Sealing temperature (SIT) | Oxygen transmission rate (OTR) | Water vapour transmission rate (WVTR) |
|---|---|---|---|---|---|
| Pearl white | Metallic silver | 123 µm | >= 105 °C (ASTM F2029) | <= 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% | 22 | 25 |
| Adhesive ± 10% | 1,5 | 1,5 |
| Barrier film ± 5% | 20,2 | 28 |
| Adhesive ± 10% | 1,5 | 1,5 |
| Sealant film ± 5% | 63 | 70 |
| Total | 108,2 | 126 |

## Structure with printing (250% ink coverage)

| Property | Weight g/m² | Thickness µm |
|---|---|---|
| Film ± 5% | 108,2 | 126 |
| Printing | 2,5 | 2,5 |
| Total | 110,7 | 128,5 |

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.