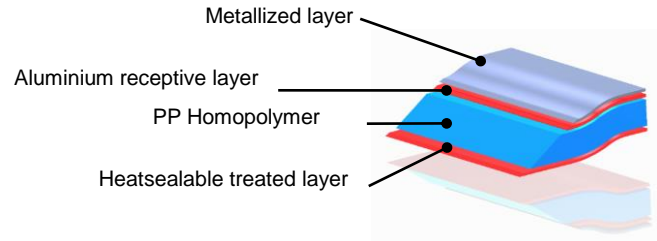


Film reference:

Thickness (µm):

META_SOL
20
1. PRODUCT FEATURES

- Metallized with high purity aluminium BOPP film;
- Heatsealable in a wide range of temperatures;
- Used in tri-laminated films;
- Good barrier against oxygen, moisture and odours;
- High yield and good mechanical properties.


2. MIGRATION CHARACTERISTICS

- Complies with the specifications in force.

3. USE

- Lamination with plastic film or cardboard.
- Food industry. The film complies with EU and FDA regulations for use in food contact.

PROPERTIES		UNIT	VALUE APPLIED META_SOL	TOLERANCE	TEST METHOD
Thickness		microns	20	±5%	DIN 53 370
Unit weight		g/m ²	18,2	±7%	ASTM D-2673
Yield		m ² /kg	54,9	±7%	ASTM D-2673
Tensile strength at break	MD	N/mm ²	130	≥ N-30	DIN 53 455
	TD		240		
Elongation at break	MD	%	200	≤ N+20	DIN 53 455
	TD		60		
Shrinkage	MD	%	5	≤ N+1,5	OPMA TC 4 (a)
	TD		2		
Heatsealing resistance		N/15 mm	2,5	≥ N-0,5	OPMA TC 4 (b)
Sealing initiation temperature IS/IS		°C	115	≤ N+3	OPMA TC 4 (b)
Optical density			2,2	±5%	Mac Beth
Dynamic Coefficient of Friction film/film			0,35	≤ N+0,05	DIN 53 375
Oxygen Permeability		cm ³ /m ² .d	70	≤ N+225	ASTM D 3985 23°C - 0% HR
Water vapour Permeability		g/m ² .d	0,5	≤ N+ 1,0	ASTM F 1249 38°C - 90% R.H.
Width		mm	380-2050 ¹	N+2	---

MD = Longitudinal direction

ES = External side

TD = Transversal direction

IS = Internal side

¹ For other option request information

Film reference:

Thickness (μm):**META_SOL****20****4. GENERAL REEL CHARACTERISTICS**

WIDTH:	From 100 to 2.100 mm ¹
MAXIMUM OUTER DIAMETER:	775 mm ¹
INTERNAL DIAMETER OF core:	76-152 mm
TREATMENT:	EXTERNAL
LENGTH:	Based on external diameter

¹ For other option, please request information**5. STORAGE CONDITIONS**

For optimum performance of the film its storage is recommended in a protected area of high humidity and a temperature below 30°C. Material should be conditioned at room temperature for at least 24h before use.

It is recommended to keep the reels in their original packaging until time of use. In case of partial use of a coil or pallet, keep the remaining material without leaning on a hard surface.

6. CONTACT WITH FOOD

The film complies with the EU and FDA regulations for use in contact with food. Refer to specific information.

7. SECURITY CONDITIONS FOR FILM HANDLING

Material safety data sheet is available upon customer request.

8. USE WARRANTY

This film maintains its optimal properties for use up to three months after production.

9. NOTES

This information should be considered only for guidance and is based on tests conducted in our laboratory. It should not be considered as collateral for a customer's specific application.