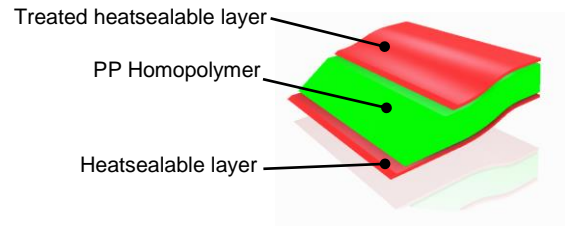


Film reference:
CATE_MET

Thickness (µm):
15-18-20-25-30-35-40-50

1. PRODUCT FEATURES

- BOPP film with high yield and good mechanical properties.
- Suitable for rotogravure and flexographic printing and lamination.
- Excellent optical properties, gloss and transparency.
- Excellent dimensional stability.
- Higher COF than standard film.



2. MIGRATION CHARACTERISTICS

- Complies with the specifications in force.

3. USE

- Film for general use in packaging applications. Chance of lamination with metallized BOPP film.
- Food industry. The film complies with EU and the FDA regulations for use in food contact.

PROPERTIES	UNIT	VALUE APPLIED CATE_MET									TOLERANCE	TEST METHOD
		15	18	20	25	30	35	40	50			
Thickness	microns	15	18	20	25	30	35	40	50	±5%	DIN 53 370	
Unit weight	g/m ²	13,7	16,4	18,2	22,8	27,3	31,9	36,4	45,5	±7%	ASTM D-2673	
Yield	m ² /kg	73,3	61,1	54,9	44,0	36,6	31,4	27,5	22,0	±7%	ASTM D-2673	
Tensile strength at break	MD	130									≥ N-30	DIN 53 455
	TD	240										
Elongation at break	MD	200									≤N+20	DIN 53 455
	TD	60										
Shrinkage	MD	6	5								≤N+1,5	OPMA TC 4 (a)
	TD	3	2									
Surface treatment level	TS	38									≥38	ASTM D-2578
	OS	35									≤ 35	
Heatsealing resistance	N/15 mm	2,0	2,3	2,5	3,0	3,5	4,0	4,5	5	≥ N-0,5	OPMA TC 4 (b)	
Sealing initiation temperature IS/IS	°C	106									≤ N+3	OPMA TC 4 (b)
Haze	%	1,4	1,5	1,6	1,8	1,9	2,0	2,2	3,0	≤ N + 1	ASTM D- 1003	
Gloss 45°		80									≥ N-5	ASTM D - 2457
Dynamic Coefficient of Friction US/US		0,40									≤ N+0,05	DIN 53 375
Width	mm	100-2100 ¹									≤ N-0+2	---

MD = Longitudinal direction
TD = Transversal direction

TS = Treated side
US = Untreated side

ES = External side
IS = Internal side

¹ For other option please request information

Film reference:
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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 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 six 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.