

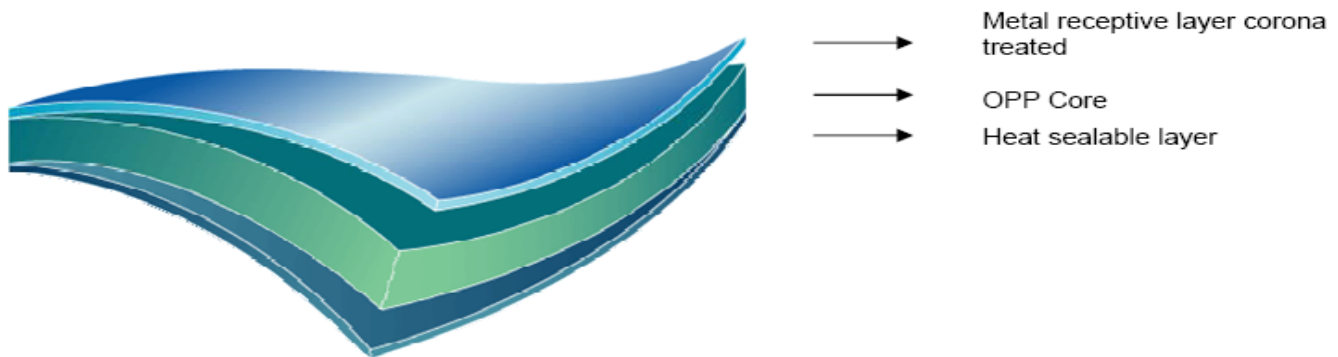


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METALLIZABLE BOPP FILM

TBM

Clear co-extruded, one-side treated, one-side sealable base BOPP film for metallisation (SIT 105°C)



PROPERTIES

- ◆ Good optical properties
- ◆ Treated face designed for vacuum deposition of aluminium

TYPICAL APPLICATIONS

- ◆ One side sealable after metallization
- ◆ Lamination using the thinner gauges
- ◆ Single film using the thicker gauges

FOOD CONTACT

TBM fully meets the overall migration requirements of EC Directive 2002/72/EC and USA FDA CFR21 sect.177.1520, and is therefore suitable for direct food contact.

ROLL SIZE AVAILABILITY

Availability	Standard Length (m)	4x (m)	6x (m)	8x (m)
TBM 15	4,250	17,000	25,500	34,000
TBM 18	3,550	14,200	21,300	28,400
TBM 20	3,200	12,800	19,200	25,600
TBM 25	2,550	10,200	15,300	20,400
TBM 30	2,100	8,400	12,600	16,800
TBM 35	1,800	7,200	10,800	14,400
Outside diameter - core 76 mm	305 mm	588 mm	716 mm	825 mm
Outside diameter - core 152 mm	337 mm	605 mm	730 mm	838 mm

TBM

Properties		Unit	Measuring method	TBM 15	TBM 18	TBM 20	TBM 25	TBM 30	TBM 35
Nominal thickness		μm		15	18	20	25	30	35
Weight per unit area		g / m^2	ISO 4591	13.7	16.4	18.2	22.8	27.3	31.9
Density		g / cm^3		0.91					
Yield		m^2 / kg		73.2	61.0	55.0	44.0	36.6	31.3
Seal Strength		$\text{N} / 25.4 \text{ mm}$	130°C / 0.5 s / 1 bar	4.0	4.5	5.5	6.0	6.5	7.0
Sealing Range		°C		105 - 140					
Coefficient of Friction, (dynamic) film to film (treated/untreated)			ISO 8295	< 0.6					
Wettability (min Treatment level)		mN/m	ISO 8296	> 38					
Haze		%	ASTM D 1003	2.0	2.0	2.2	2.2	2.2	2.2
Tensile Strength		MD	DIN EN ISO 527-1/-3	150					
		TD		250					
Elongation at Break		MD	DIN EN ISO 527-1/-3	200					
		TD		60					
Shrinkage		MD	ASTM D 1204 120°C / 5min	4					
		TD		2					
WVTR 38°C 90% r. h.		$\text{g/m}^2\text{d}$	ASTM 1249	7.0	6.5	6.0	5.0	4.0	3.5

PRE-TREATMENT INDICATION

Standard TBM will be supplied with treatment outside.

STORAGE, HANDLING AND APPLICATION RECCOMENDATIONS

TBM will maintain consistent performance over a period of 6 months from date of production and should be converted during that time.

Products should be stored below 40°C, in dry and sun protected environment.

MD Machine direction

TD Transverse direction

NOTE:



The above-mentioned data have been obtained using standard test procedures on defined specimens, and are provided in good faith.

These results should therefore be regarded only as a general guide to material properties. It is for the customer to determine / decide a product's suitability for his / her own particular purpose. **IMPEX GLOBAL FILMS** does not claim and responsibility of the product for any particular purpose.