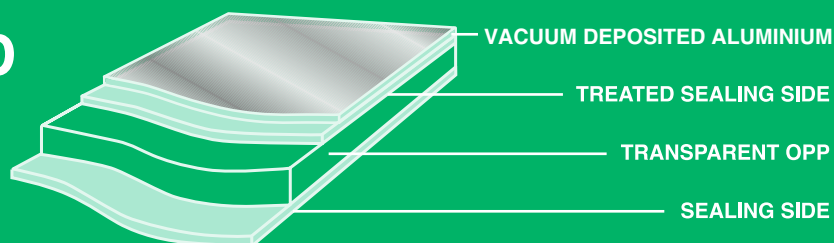


# BOPP METALLIZED

# MBI



**MBI** is a metallized coextruded, high barrier bioriented polypropylene film.

### Main properties:

- Excellent barrier properties for O<sub>2</sub> and water.
- Good wettability and metal adhesion.
- Outstanding machineability.
- Wide sealing range.
- Good optical properties.

**MBI** offers a very high degree of brilliance together with the best machineability on very fast packaging machines, thanks to the particular coefficient of friction and to the wide heat sealing range. The strong metal adhesion and high surface tension of **MBI** ensure excellent inter-ply bond strength when laminated to other plastic films or paper.

PROPERTIES	UNITS	MBI					TEST CONDITIONS
		15*	17	20	25	35	
Yield	μ m <sup>2</sup> /kg	73.2	63.9	54.9	43.4	31.4	
Unit Weight	g/m	13.7	15.6	18.2	22.8	31.9	
Tensile Strength	MD TD N/mm <sup>2</sup>	140 300	140 300	140 300	140 300	140 300	ASTM D 882 DIN 53455
Elongation at Break	MD TD %	190 55	190 55	190 55	190 55	190 55	ASTM D 882 DIN 53455
Modulus of Elasticity	MD TD N/mm <sup>2</sup>	1500 3000	1500 3000	1500 3000	1500 3000	1500 3000	ASTM D 882 DIN 53457
Dimensional Stability	MD TD %	-4 -2	-4 -2	-4 -2	-4 -2	-4 -2	BMS TT 02
Sealing Strength	N/15mm	2.1	2.4	2.6	3.4	4.7	130°C, 130N, 1sec
Sealing Range	°C	105-140	105-140	105-140	105-140	105-140	DOR FILM'S STANDARD
Coefficient of Friction		0.4	0.4	0.4	0.4	0.4	ASTM D 1894 DIN 53375
Optical Density	O.D	2.8	2.8	2.8	2.8	2.8	MACBETH FD 932
WVTR	gr/m <sup>2</sup> /24hr	0.3	0.3	0.3	0.3	0.3	ASTM 1249 38°C, 90% R.H.
Oxygen Permeability	cm <sup>3</sup> /m <sup>2</sup> /24 hr	30	30	30	30	30	ASTM D 1434 25°C, 0% R.H.
Wetting Tension	dyn/cm	>= 36	>= 36	>= 36	>= 36	>= 36	ASTM D 2578-94

The figures and the data provided in this data sheet are consistent with the current state of our knowledge, and are intended to provide general information on our products and their applications. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications. Any existing commercial rights or patents must be observed.

\* Available under special agreement.

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**Dor film**  
BIAXIALLY ORIENTED POLYPROPYLENE