

# MBX (under development)



One side wide seal range heat sealable, other side treated, metallized BOPP film with prolonged treatment durability and high hermeticity.

## Properties

- One side aluminium coated by vacuum metalization with excellent adhesion
- Excellent oxygen & moisture barrier
- Excellent seal integrity & seal strength
- Improved hermetic seal

## Applications

Designed for high barrier performance packaging applications.

PROPERTIES	TEST CONDITIONS		UNITS	TYPICAL VALUES
THICKNESS	.....		μ	18
			Gauge	72
THICKNESS TOLERANCE	.....		%	5
UNIT WEIGHT	ASTM D 2673		g / m <sup>2</sup>	16.3
YIELD	ASTM D 2673		m <sup>2</sup> / kg	61.3
HAZE	ASTM D 1003		%	.....
GLOSS	ASTM D 2457		%	.....
OPTICAL DENSITY	MACBETH		.....	2.6
COEFFICIENT OF FRICTION*	ASTM D 1894	B/B*	.....	< 0.65
		B/M*		< 0.30
TENSILE STRENGTH	ASTM D 882	MD	N/mm <sup>2</sup>	120 ± 20
		TD		270 ± 50
ELONGATION AT BREAK	ASTM D 882	MD	%	190 ± 40
		TD		45 ± 10
HEAT SEAL TEMPERATURE	3 Bar / 0.5 Sec		°C	95 - 140
SEAL STRENGTH	130°C / 3 Bar / 0.5 Sec		N / 15mm	> 5.0
WVTR	ASTM F 1249 38°C / 90% RH		g / m <sup>2</sup> / day	≤ 0.3
OTR	ASTM D 3985 23°C / 0% RH		cm <sup>3</sup> /m <sup>2</sup> /day	≤ 50
HEAT SHRINKAGE	130°C / 7 mIn	MD	%	≤ 5.0
		TD		≤ 3.0

\*B : Back side  
\*M : Metal

\*All COF values are dynamic results

*The climatic and storage conditions may influence the metallised surface treatment.*

*In-line corona treatment is recommended for lamination. An adequate primer on the metallized surface is suggested for printing.*

The above information is the result of laboratory test which are applied on samples from standart production. Since the varying conditions under which our products used are beyond our control, all of the above results are without guarantee and warranty.