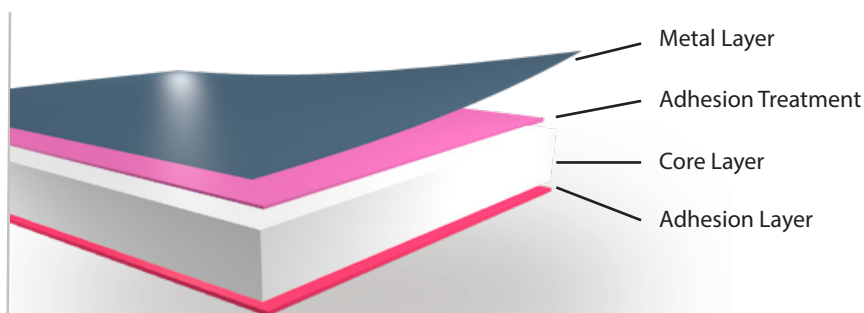


# Lumirror.MK12

## Applications

- Confections
- Snacks
- Coffee
- Pet food



HIGH BARRIER METALLIZED  
PET FILM WITH VERY GOOD  
METAL ADHESION

## Summary

MK12 is a coextruded Polyester film metallized for high barrier properties. The non-metallized side is modified for superior printing and laminating adhesion. Especially suited for demanding barrier applications and high metal bond in wet or dry applications.

## Technical Data \*

PROPERTIES		METHOD	UNITS	TYPICAL VALUES	
Thickness		-	micron	9	12.2
Nominal Yield		-	m <sup>2</sup> /kg	79.4	58.5
F-5	MD	ASTM D882	Mpa	108	108
	TD			99	100
Tensile Strength at Break	MD	ASTM D882	Mpa	278	280
	TD			249	253
Young's Modulus	MD	ASTM D882	Mpa	5090	5060
	TD			5099	5168
Elongation at Break	MD	ASTM D882	%	100	110
	TD			110	120
Heat Shrinkage (150°C for 30 minutes)	MD	ASTM D1204	%	2.4	2.2
	TD			1.1	1
Coefficient of Friction	A-side vs. B-side	ASTM D1894	μ <sub>s</sub>	0.5	0.4
			μ <sub>b</sub>	0.5	0.4
Optical Density		ASTM 1003		2.8	2.8
MVTR - 38 °C, 90% RH		ASTM F1249	g/m <sup>2</sup> /day	0.47	0.47
O <sub>2</sub> Barrier - 23 °C, 0% RH		ASTM D3985	cc/m <sup>2</sup> /day	0.47	0.47

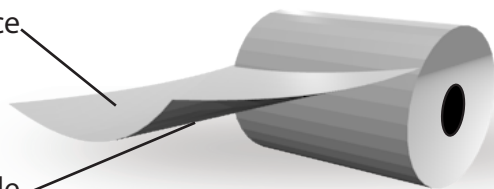
## Key Features

- High metal bond in wet and dry applications
- Exceptional barrier to water vapor, oxygen and other gases
- Good aroma barrier
- High protection against natural and UV light
- Excellent dimensional stability at higher temperatures
- Superior surface for printing or laminating
- Complies with US FDA 21 CFR 177.1630 requirements for food packaging applications

## Winding Direction

Adhesion Surface

Metal Side



\* These values do not constitute specific binding specifications

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